

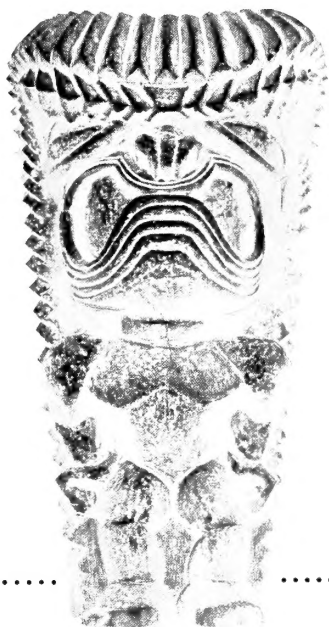
62
Hawaii
1957

1957 Catalog



Wm. Kirch orchids, ltd.

Orchids.....

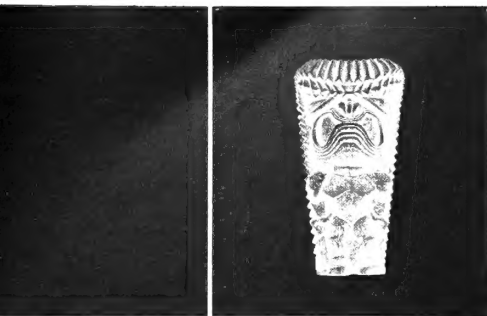


Puukiki
THE KIRCHWATCHER

.....direct from Hawaii...nature's greenhouse

WM. KIRCH-ORCHIDS, LTD. • 732 KAPAHULU AVE. • HONOLULU 16, HAWAII

*Owned and Operated by Seven of Hawaii's Leading Orchid Nurseries
Hawaii's Largest Shippers of Quality Orchid Plants*



TALK ABOUT TIME!

This is the big year for Hawaii! September 19-23 will see all of us in Honolulu as your hosts for the Second World Orchid Conference. Be sure to plan early to attend this outstanding event in the orchid world.

THIS YEAR'S CATALOG

You will note certain changes. Among the most notable are the sections on Hawaiian Vanda and Dendrobium Hybrids. We have reduced these considerably. Two purposes are in mind:

1. To give you only the cream of the crop in our retail catalog;
2. To present only plants that are suitable for growing under glass with reference to size and ability to flower freely.

For those that feature these plants we will publish in 1957 a complete price list of all crosses we grow in these two genera. If you would like a copy write to us for it.

PRICES

We have been faced with a competition over the past year that is not healthy. Several jobbers, brokers, or what have you, have appeared on the scene. These fellows do not grow plants, but buy and resell lots of surplus plants from backyard growers. As such, the stock they offer has no uniformity. It can be very good or very bad. However, as each lot comes from a different source as available, you cannot be sure at the time of order what is what or why.

In the orchid world every hybrid has a name. V. Coerulea \times Sandersoniana is Rothschildiana any way you look at it. By the same token a watch is a watch. Yet you can buy watches for \$10 or \$1000.

The point we make is that we grow our own stock, guarantee its quality and delivery, and use only the finest parentage available. Thus, though names may be the same, don't be fooled by quality on a name. You can't make a show horse of a plow plug—yet they are both horses.

NEW CROSSES

You will find if you carefully scan this catalog a lot of wonderful new stock. Stock you can't duplicate anywhere. Compare availability of stock in such items as Bow Bells crosses, cluster Cattleyas, yellow Cattleyas, Brassos, Renantandas, Opsisandas, Oncidiumums, species, etc. We feel this year's list is the best we have ever offered and we know you will be pleased with the stock, our service, and our policy of satisfaction guaranteed!

Make Wm. Kirch-Orchids, Ltd. your one-stop shopping center for orchids from Hawaii—direct from Nature's Greenhouse—where God has combined sunshine, rain, and a smiling race of people to give you orchids at their best.

Our seven nurseries are continually expanding and we look forward to your visit in September of 1957. We think you will like the way we grow our plants and look forward to showing you everything and answering your questions.

- Aloha, until September,

Wm. Kirch

LISTING OF STOCK

ACAMPE

Epiphytes similar in growth to Vandas. Easily grown in Cattleya section but need room. Pot as for strap leaf Vandas.

- 7-C-1—*Longifolia* (Burma)—Yellow, barred red. Fall. 8" 17.50
 7-C-2—*Pachyglossa* (Indonesia)—Dark purple spots. A more dwarf plant. Better for small greenhouses. 4-5" 15.00
 7-C-3—V. Frank Scudder x *A. Longifolia*—A new generic cross; it has a good breeding potential for new types. 3" 6.00 4" 8.50

AERIDES

A most handsome genus. Erect stems, strap leaf foliage. Plants grow well in pots or baskets. Pot as for Vandas. Intermediate to warm temperatures.

- 7-C-4—*falcatum* (Burma)—12-18" spikes; creamy white, crimson tipped. Summer. 7-8" 15.00
 7-C-5—*Japonicum* (Japan)—Dwarf habit; a cute miniature plant. Flowers fragrant; white with red lip, purple ridge and spots. A real gem. 3" 7.50 4" 10.00
 7-C-6—*Lineares* (Ceylon)—Branched spikes of appleblossom pink flowers. A wonderful pot plant. Fall. 5" 15.00
 7-C-7—*Odoratum* (South East Asia—Indonesia)—Many flowered racemes; creamy white, shaded pale magenta. Fragrant, tolerant of cool night temperatures, hence can be grown outside in many places like Cymbidiums. Early summer. 6" 7.50 7-8" 10.00
 7-C-8—*Hermon Slade* (Lawrenciae x *Fieldingii*)—The finest of the entire genus. Written up in the Orchid Review in 1956, this hybrid is spectacular. Rich magenta color. Summer to early fall. 7-8" 20.00
 7-C-9—*falcatum* var. *Houlletianum* x *crassifolium*—A new semi-dwarf plant that should be very fine. Pink to buff, flushed magenta. 1 1/2" 1.75 2" 3.00

AERIDOVANDA

Hybrids between *Aerides* and *Vandas*. We think the stock we offer is probably the largest to be found anywhere in the world. These are lovely plants and our expanded breeding in this section is proof of our confidence in them. Culture as for Vandas.

- 7-C-10—AV. *Mundyi* (*A. Vandarum* x *V. teres alba*)—Terete growth. Pale pink flowers fading to white. stem cuttings 12-18" 3.50
 7-C-11—V. *Henrietta Ho* x *A. falcatum album*—Rich yellow to cream; long sprays. 1 1/2" 2.00 2" 3.50
 7-C-12—AV. *Fragrans* x *Ren. Storiei*—A new trigeneric combination; blood red color. 1 1/2" 2.50 2" 4.00
 7-C-13—V. *Tatzeri* x *A. crassifolium*—Large rose pink flowers. 4" 10.00
 7-C-14—AV. *Sweet Ruby* (*V. Gilbert Triboulet* x *A. crassifolium*)—A fine new blue combination; long spikes. 3" 7.50
 7-C-15—*Ren. Monachica* x *A. crassifolium*—Yellow barred red; long branched spikes. 4" 10.00 6" 15.00
 7-C-16—AV. *Fragrans* x *V. pumila*—Rich yellow, marked red. 3" 6.00
 7-C-17—AV. *Fragrans* x *V. Sanderiana*—Should be most spectacular. Pastel pink to buff; large flowers. 1 1/2" 2.50
 7-C-18—A. *Lawrenciae* x *V. Ellen Noa A.M.H.O.S.*—Rich yellow flushed magenta; large flowers. 1 1/2" 2.00 2" 3.50 3" 7.50
 7-C-19—V. *Gertrude Miyamoto* x *A. crassifolium*—Cream to white, flushed pink. 1 1/2" 2.00
 7-C-20—A. *Odoratum* x *V. Rothschildiana*—Large flowers; pink to blue. 1 1/2" 2.00
 7-C-21—AV. *Blue Spur* (*A. Lawrenciae* x *V. coerulea*)—A remake of a most famous hybrid. Long spikes; beautiful blue flowers. Very fine. 1 1/2" 2.50
 7-C-22—AV. *Emma Gomez* (AV. *Mundyi* x *V. teres Andersonii*)—Large dark pink. Most prolific terete for tropical gardens. top cuttings 12-18" 3.50

ANGRAECUM

A beautiful genus from Africa and Japan. Flowers like a star-shaped Vanda with a long spur. Culture as for Vandas.

- 7-C-23—*distichum* (West Coast of Africa)—Tufted stems of a stylish tailored appearance. Pure white flowers produced freely from leaf axils; dwarf plant. Summer and fall. 3" 8.50
 7-C-24—*falcatum* (Japan)—Referred to frequently as *Neofinetia falcata*. One of the loveliest miniature plants known. Pure white fragrant flowers produced 3-5 on short spikes. Summer. 3" 8.50
 7-C-25—*Sesquepedale* (Madagascar)—The King of the genus and one we have a hard time keeping in supply. Large 6" flowers. Ivory white with an 8-12" spur on the lip. Spring. 1 1/2" 2.00 2" 4.00
 7-C-26—*Veitchii* (*Sesquepedale* x *Eburneum*)—When full grown a magnificent specimen. Long spikes of flowers like *Sesquepedale*, more numerous but smaller in size; green white. Fall. 5" 20.00 6" 25.00
 7-C-27—*Eburneum* (Madagascar)—Long spikes of star-shaped green and white flowers. A handsome specimen. Summer and fall. 7" 20.00



7-C-26—*Angraecum Veitchii*



7-C-5—*Aerides Japonica*

ANSELLIA

A very fine genus from Africa. Terrestrial to semi-terrestrial. Pot in Fir Bark, grow in strong light on the dry side. Huge spikes of flowers are produced that make a most handsome display plant.

- 7-C-28—*Africana* (Sierra Leone)—Large branching racemes; flowers orange to yellow, barred red brown. Winter to spring. 4" 12.50 5" 15.00

ARACHNIS AND ARACHNIS HYBRIDS

Vandaceous plants with Asian origin. They are referred to as the Scorpion orchids. Flowers are very long lasting and make excellent cut flowers. Grow like Vandas, but let them trail. Do not stake upright!



V. Ellen Voa x A. Quinquenervium—A typical Aeridovanda in bloom

- 7-C-29—*flos-aeris*—The brown Scorpion. Large flowers, heavy texture, long lasting; red brown color. 6-7" 15.00
- 7-C-30—*flos-aeris* var. *Insignis*—Rich purple red. Very handsome. 6-7" 22.50
- 7-C-31—*flos-aeris* var. *Noirette*—Rich purple black. Very rare; a most limited supply. 6" 50.00
- 7-C-32—*Moschifera*—Dark green with chocolate markings. A strong musk scent when in flower; very bizarre. 5-6" 12.50
- 7-C-33—Queen of the Purples (A. *Hookeriana* alba x V. *coerulea*)—Rich blue purple; very large spikes. 5" 12.50
- 7-C-34—*Aranthera* Rainbow (A. *Moschifera* x Ren. *Storiei*)—Rich colorations that give a rainbow effect of color. 7" 15.00
- 7-C-35—*Aranda* Daniel Sato (V. *Emily Notley* x A. *flos-aeris*)—Wonderful sprays of green to green-yellow flowers, heavily spotted with black to purple. 5" 15.00
- 7-C-36—A. *Maggie Oei* x V. *Sanderiana*—A fine combination that should give excellent results. Yellow to brown. 1 1/2" 2.00 2" 3.50
- 7-C-37—A. *Moschifera* x V. *Insignis*—Rich dark red brown; very heavy texture. 3" 6.00 4" 8.50
- 7-C-38—A. *Maggie Oei* x V. *Ellen Noa* A.M.H.O.S.—Should produce a lovely yellow to tan flower; very large size. 2" 3.50 3" 6.00 4" 8.50

7-C-39—A. *flos-aeris* x *Ellen Noa* A.M.H.O.S.—A rich red brown to gold color; large size flowers. 3" 6.00

ASPASIA AND ASPASIA HYBRIDS

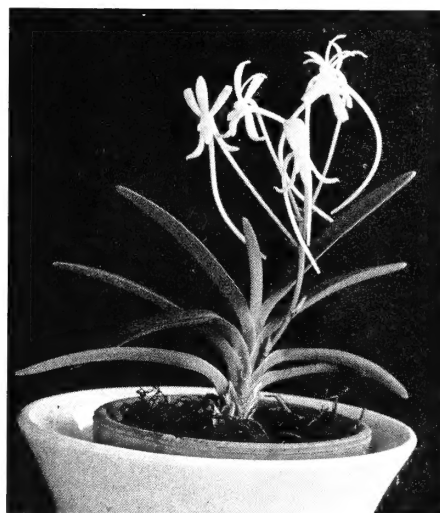
Epiphytes closely allied to *Oncidium*s, but up to now not well known in culture. Culture as for *Oncidium*s in a warm shaded greenhouse. We think the hybrids offer exceptional opportunity for advancement in the *Oncidium* spray type orchid.

- 7-C-40—*Epidendroides* (Central America)—Flowers creamy white, lip marked with lilac. 2" or more across. Spring. on logs 7.50
- 7-C-41—*Principissa* (Central America) — Flowers large; greenish marked brown chocolate, lip whitish marked light mauve. 4" 7.50
- 7-C-42—A. *Epidendroides* x *Onc. Wydleri*—Long spikes; yellow-brown to green flowers. Fall. 2" 3.00 3" 5.00
- 7-C-43—A. *Epidendroides* x *Onc. Altissimum* — Large sprays like the *Oncidium* parent of much greater size individually. Spring. 2" 3.00 3" 5.00
- 7-C-44—A. *Epidendroides* x *Onc. Lanceanum*—Rich purple brown to maroon; very large flowers. 1 1/2" 2.00 2" 3.50

BRASSOVOLA

Epiphytes closely allied to *Cattleya* and *Laelia*; of easy culture. Grow as you would *Cattleya*s with increased light and less water.

- 7-C-45—*Acaulis* (Central America)—Large terete pendulous foliage. Flowers large; white and green, heart shaped white lip. Quite rare. Summer. on logs 10.00



7-C-24—*Angraecum Falcatum*



7-C-25—*Angraecum Sesquipedale*

- 7-C-46—*Cordata* (Jamaica)—Much like *nodosa* with larger heads of smaller flowers; yellow green in color. Early fall. 4" 6.00
- 7-C-47—*Cucullata* (Tropical America) — Narrow terete foliage. Large spider-like flowers; sepals and petals white, shaded green, lip white. Fall. on logs 7.50
- 7-C-48—*Digbyana* (Honduras)—Large solitary green white flowers, huge fringed lip. The most outstanding species and becoming quite rare. The grandfather of most modern Brasso hybrids. April to May. on logs 12.50
- 7-C-49—*glauca* (Mexico)—Semi-dwarf plant. Silver grey foliage. Pure white heavy textured solitary flowers; very distinct. Early spring. on logs 7.50
- 7-C-50—*nodosa* (Central America) — Called Lady of the Night. Lovely star white flowers; fragrant at night; terete foliage. Likes lots of light. Fall. on logs 5.00



H Y B R I D B R A S S O S

Our success in producing outstanding hybrids in this section has gained world-wide approval. These plants are not designed for the cut flower grower as the flowers are by and large of a size too great to use for that purpose. For show or exhibition they cannot be excelled. Colors are wonderful and with their huge labellums they make a flower you will be proud to exhibit anywhere.

7-C-51—LC. Terry Wayne x BC. Ann Sladden — Lovely white with rich purple lip. Fall to winter. 1 1/2" 2.25

7-C-52—LC. Indra x BC. Juliette Cooke—Very large dark lavender; excellent shape. Fall to winter. 1 1/2" 2.25

7-C-53—BLC. Nanette alba x LC. Chito—Very large; clear white with lavender lip. Winter to spring. 1 1/2" 2.25

7-C-54—C. Hardyana alba x BC. Ann Sladden—Pure white to white purple lip; excellent shape. Spring to summer. 1 1/2" 2.25

7-C-55—BLC. Nanette alba x LC. Fedora var. Everest—Snow white sepals and petals, rich purple lip. Spring. 1 1/2" 2.25

7-C-56—BLC. Dorothy Heller x LC. Venetia—Rich dark lavender bronze; very heavy texture. Fall. 1 1/2" 2.00

7-C-57—BLC. Dawn Angela x LC. Cuesta—Better parents would be hard to find. Both parents famous exhibition plants. Lavender with deep colored lip. 5" 17.50

7-C-58—BLC. Nanette alba (BLC. Everest x C. Annette)—Top selections of the original strain that we have propagated. No better stock can be found. Fall and winter. 5" 40.00

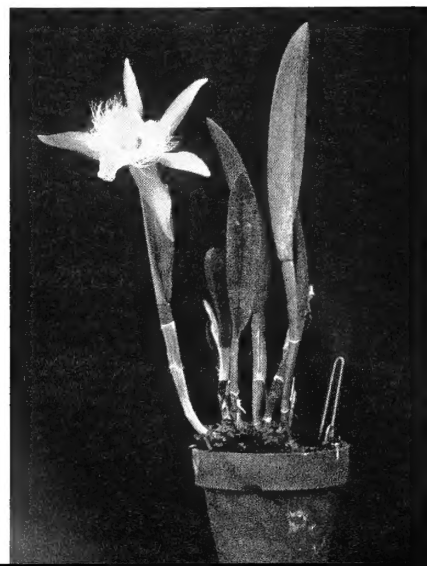
7-C-59—BLC. Nanette alba x Self—In our opinion equally good to the original strain. Came very true to seed. Fall and winter. 4" 12.50

7-C-60—C. Hardyana alba x BLC. Nanette alba — The Hardyana parent is one of the most spectacular albas we have seen. Clear white to white with a touch of lavender in the lip. Summer to fall. 4" 12.50

7-C-61—BLC. Gladys Boyd (C. Roehrsiana x BC. Akebono)—Very large size and excellent shape. Warm lavender. Fall. 5" 22.50

7-C-62—BC. Princess Margaret (BC. Speciosa x C. Heath-erwood)—Even color over all of soft lavender; very fragrant. Early fall. 5" 22.50

7-C-48—Brassovola Digbyana



7-C-63—BC. Diadem alba (B. Digbyana x C. Eleanore)—A very large white with a beautifully fringed lip. Winter and spring. 5" 17.50

7-C-64—BC. Olina (BC. Veitchii x C. Hassallii alba)—A very fine white Brasso; large fringed lip, green throat. Winter. 4" 17.50

7-C-65—BC. Albion alba (BC. Thorntonii x C. Trianae)—Divisions of one plant. The only plant in an entire cross to come out pure white. Enormous size and huge fringed lip. Winter. 5" 75.00

7-C-66—BLC. Wendell Hoshino x (C. Prospector x C. Integrity)—A fine winter exhibition lavender; large size, perfect shape. 1 1/2" 2.25

7-C-67—BC. Moneta (BC. Madam Charles Maron x C. Gaskelliana)—A very large flower which we have used most successfully as a parent. Light pastel lavender. Winter to spring. 5" 17.50

7-C-68—BC. Cliftonii var. Magnifica F.C.C.R.H.S. (BC. Digbyana—Mossiae x C. Trianae)—Huge flower; medium lavender with a frilled lip. Fall. 4" 22.50

7-C-69—BLC. Marie Antoinette var. Fairy Queen (BLC. Bella x C. Amabilis)—Very large dark lavender; excellent exhibition plant. Winter to spring. 5" 75.00

7-C-70—BLC. Dawn Angela x LC. Windemere var. Clovely A.M.R.H.S.—A new combination that is producing excellent winter to spring exhibition lavender flowers. 5" 22.50

7-C-71—BC. S. M. Damon (C. Mrs. E. Roehrs x B. Digbyana)—Lovely chartreuse and lemon yellow, very large lip. Summer and fall. 5" 22.50

7-C-72—BLC. Matriarch (BLC. Wake Island var. The Queen x C. Tityus W' Birt var.)—A terrific winter exhibition lavender; very fine. 1 1/2" 2.25

7-C-73—BC. Imperialis x LC. Florida—A dark lavender. Winter. 5" 15.00

7-C-74—LC. Florida var. compacta x BC. Clara Alberts var. Rotunda—Excellent shape; lavender. Spring. 5" 22.50

7-C-75—BLC. Palikea (C. Gladys Tsukamoto x BLC. Nanette alba)—A variable cross; some pure white, others pastel; good texture and shape. Winter and spring. 6" 17.50

7-C-76—BLC. Blanche Okamoto (LC. Canberra var. Stonehurst x BLC. Nanette alba)—Salmon to yellow and cream; very large flower. Fall to winter. 3 1/2" 10.00

7-C-77—BLC. Apparition (C. Enid alba McBeans var. x BLC. Nanette alba)—A very fine cross; some are nearly pure white, others with touch of lavender in the lip; heavy texture. Spring. 6" 17.50

7-C-78—BLC. 49th State (LC. Acapulco x BC. Moneta)—A fine winter lavender of excellent shape. 4" 12.50

7-C-79—BLC. Marilyn Sato (C. Mescalero alba x BLC. Nanette alba)—Very large size; white with lavender lip. Spring. 4" 12.50

7-C-80—BLC. Rosy Morn (C. Thebes Bronze King x BLC. Samoset)—Gold to orange with rose overfluff. Summer to fall. 4" 12.50

7-C-81—BLC. Sparkle (LC. Aphrodite x BLC. Llewellyn)—A fine hybrid out of the tetraploid BLC. Llewellyn. Rich sparkling dark lavender. Spring to summer. 1 1/2" 1.75

7-C-82—BLC. Takami Kodama (LC. Lady May x BC. Juliette Cooke)—Excellent shape; Rich lavender. Fall to winter. 1 1/2" 2.25

7-C-83—LC. S. J. Bracey x BLC. Nanette alba—All shades of yellow and orange. Fall. 3" 6.00

7-C-84—BLC. Jaffre x LC. Mrs. Medo—Rich golden yellow-red lip. Spring and summer. 3 1/2" 10.00

7-C-85—BC. Princess Patricia F.C.C.R.H.S. x LC. Balkis var. superba—A powerful combination of famous proven studs. Lavender of top exhibition quality. Fall and winter. 2" 4.00

7-C-86—LC. Mysedo var. Miya x BLC. Zaffredo—Rich dark orange to red. Summer and fall. 2" 4.00

7-C-87—BC. Waikiki (C. Enid x BC. Liliuokalani)—Excellent shape; very large; medium lavender. Spring. 3" 5.00

7-C-88—C. Tityus x BLC. J. K. Lilly—Dark lavender; excellent shape. Winter. 1 1/2" 2.25

7-C-89—BLC. J. K. Lilly x LC. Balkis fine var.—Medium lavender with rich dark lip. Winter. 1 1/2" 2.00

7-C-90—LC. Hassallii alba x BLC. Nanette alba — Pure white to white colored lip. Spring. 2" 3.50

7-C-91—BLC. Ben Kodama x LC. Balkis var. superba—Very rich dark lavender of excellent shape. Fall and winter. 2" 4.00

7-C-92—BC. Kamehameha x C. Trianae var. Bankhouse—Perfection of shape; medium lavender. Winter flowering. 1 1/2" 1.75

7-C-93—BLC. Wake Island var. The Queen x BLC. Dr. Paul Nomura—A tetraploid combination of perfect shape for exhibition; lavender. Fall to winter. 1 1/2" 2.25

7-C-94—BC. Aloha x LC. Princess Margaret var. superba—Lavender; perfection of shape. Winter to spring. 1 1/2" 2.25

7-C-95—BLC. Emma Matsuguma x BLC. Wake Island var. The Queen—Tetraploids, the progeny is destined for blue ribbons; lavender. Winter. 1 1/2" 2.25

7-C-96—C. Stalin x BC. Corrientes—Exceptional size; cardboard like texture; rich lavender color. Fall. 1 1/2" 2.00

7-C-97—LC. Balkis var. superba x BC. Estelle—Medium lavender, rich lip. Winter. 1 1/2" 2.00



7-C-71—Brassocattleya S. M. Damon

7-C-98—(LC. Dinard x BLC. Galatea) x BLC. Albert Tanaka var. Kodama—Another of those blue ribbon polyploid crosses; dark lavender. Fall and winter. 1 1/2" 2.25
2" 4.00

7-C-99—LC. Balkis fine var. x BLC. Normans Bay—Perfection of shape, very large; rich lavender. Fall and winter. 1 1/2" 2.25

7-C-100—LC. Kaumana var. Yamada x BLC. Llewellyn—Rich orange yellow. Summer. 1 1/2" 2.25

7-C-101—LC. Thalia—albula x BLC. Nugget—Rich bronze yellow. Fall. 2" 4.00

7-C-102—LC Sam Houston var. Brilliance x BC. Princess Patricia F.C.C.R.H.S. — A fine winter flower; excellent shape; lavender. 1 1/2" 2.00
2" 3.50 3" 6.00

7-C-103—BLC. Mary M. Damon (BLC. Llewellyn x C. Triumphans)—Chartreuse to lemon yellow, large red lip. Summer. 1 1/2" 2.00
2" 3.50

7-C-104—LC. Helen Mizuta x (BC. John Linford x LC. Ishtar)—Wonderful shape; lavender. Fall and winter. 1 1/2" 2.00 2" 3.50

7-C-105—LC. Balkis x BC. Hartland—Dark lavender; fine shape. Winter. 1 1/2" 2.00
2" 3.50 3" 6.50

7-C-106—C. Bengrave x BC. Queen Emma—Very large pure white. Winter. 1 1/2" 2.00
2" 3.50 2 1/2" 4.50 3" 6.00

7-C-107—C. Ashland var. Ishii x BLC. Wake Island var. The Queen—Very large excellent shape; lavender. Fall. 1 1/2" 2.00 2" 3.50

7-C-108—C. Josephine x BLC. Nanette alba—Very large, heavy texture; pastel to pure white. Spring. 1 1/2" 2.00

7-C-109—BLC. Nanette alba x C. Bob Betts—Terrific texture; white to pastel. Winter. 1 1/2" 2.00

7-C-110—LC. Helen Mizuta x BC. Estelle—A beautifully shaped lavender. Winter. 1 1/2" 2.00

7-C-111—BLC. Princess Patricia F.C.C.R.H.S. x BC. Estelle—Very large size; medium lavender. Winter. 1 1/2" 2.25

7-C-112—BLC. Wake Island var. The Queen x LC. Hertha var. Perfection—It would be hard to find a better polyploid combination for exhibition; lavender color. Fall to winter. 1 1/2" 2.50

7-C-113—LC. Pasto x BLC. J. K. Lilly var. Ishii—A highly colored LC. crossed to the finely shaped J. K. Lilly; lavender. Fall. 3 1/2" 8.50

7-C-114—LC. Bocono x Potinara Belgravia var. Rotunda—Very rich dark lavender color; excellence of shape. Fall and winter. 1 1/2" 2.25

7-C-115—C. White Empress x BC. Sanderi—Pale pastel with very heavy texture. Winter. 1 1/2" 1.75

7-C-116—LC. Mimbreno x BLC. Wendell Hoshino—Very fine lavender. Fall and Winter. 1 1/2" 2.25

7-C-117—(LC. Penshurst x Golden Gleam) x BLC. Nugget var. Puritan—Rich yellow; large size. Summer and fall. 1 1/2" 2.25

7-C-118—BLC. Golden Queen var. Regina A.M.H.O.S. x BLC. Nugget var. Puritan—Rich orange yellow; large size with red bronze lip. Fall. 2" 4.00
3" 7.50

7-C-119—LC. Edgar Omura x BLC. Nugget var. Puritan—Excellent shape; rich dark bronze lavender. Fall. 2" 4.00
3" 7.50

7-C-120—LC. Walter Jewell—St. Gothard x BC. Hartland—Darkest possible lavender; excellent shape. Fall and winter. 1 1/2" 2.25
2" 4.00

7-C-121—LC. S. J. Bracey x BLC. Llewellyn—Rich orange to bronze yellow, red lip. Summer. 1 1/2" 2.25

7-C-122—LC. Tegucigalpa x BLC. Wake Island var. The Queen—Exceptional size, rich lavender color. Fall. 1 1/2" 2.25

7-C-123—BLC. Chief Joseph (BC. Durga x LC. Mrs. Medo)—Bronze orange; heavy texture. Summer to fall. 5" 27.50

7-C-124—BC. Framewood var. Rivermont—(BC. Vilmoriniana x C. Heatherwood)—Fine shape; lavender pink. Winter. 5" 27.50

7-C-125—BLC. Normans Bay (BC. Hartland x LC. Ishtar)—A very fine selection of the choice exhibition lavender; rich purple. Fall. 5" 150.00

7-C-126—BLC. Truffautiana A.M.R.H.S. (BC. Mrs. Leeman x LC. Luminosa)—A very large orange yellow Brasso. Spring to summer. 5" 35.00

7-C-127—BC. Westminster (BC. Dr. G. Macdonald x C. Tityus)—A fine shaped large Brasso. Winter. 5" 25.00

7-C-128—BLC. Xanthea x BLC. Dorothy Lowe—A rich yellow Brasso. Fall to winter. 5" 100.00

7-C-129—BLC. Wendell Hoshino (LC. St. Gothard x BLC. Carinus var. Collosus)—A wonderful Brasso; rich lavender, wonderful shape. A fine stud plant. Fall and winter. 5" 100.00

7-C-130—C. Jean Barrow x BLC. Nanette alba—White, very faint flush; very large flower. Winter to spring. 5" 22.50

7-C-131—LC. Golden Beauty x BLC. Nanette alba—Fine shape; very rich dark purple color. Fall. 5" 35.00

7-C-132—LC. Barbara Dane x BLC. Nanette alba—White touch of lavender in the lip; very large flower. Winter to spring. 5" 25.00

7-C-143—Broughtonia Sanguinea



7-C-133—BC. Christmas Gold (BC. Daffodil x C. Gregorio)—Very dwarf plants. All shades of yellow; heads of three to six flowers in 3-4" size. Fall and winter. 4" 10.00
5" 15.00

SEMI-TERETE BRASSOVOLA HYBRIDS

These are unique Brassos and for novelty, are unsurpassed. Flowers like a giant nodosa, but in various colors. Foliage is terete like the Brasso parent. Visitors to our nurseries never fail to comment on what wonderful novelties these plants make.

7-C-134—LC. Hawaiian Sunset x B. Cordata—Rich red to gold and yellow; large clusters. 2" 3.00
3" 5.00

BRASSIA

Closely allied to Oncidiums, often called the Spider orchids. Grow in intermediate to warm temperatures. Give ample water when growing; drier when dormant, but never as dry as Oncidiums. Pot in Fir Bark or mount on a log.

7-C-135—Allenii (Panama)—Straw yellow to green; very distinct, handsome plant. Fall. 5" 12.50
6" 15.00

7-C-136—Caudata (Tropical America)—Scapes 6-10 flowered. Sepals and petals narrow, ribbon-like; color light green yellow, spotted brown on the base. 4" 10.00

7-C-137—Gireoudiana (Panama) — Large pseudo bulbs, scapes 15-24" with 9-12" flowers; sepals and petals yellow, tinted green; lip light yellow, orange crest. 4" 10.00

7-C-138—Longissima (Costa Rica)—Orange-straw yellow; exceptionally long sepals and petals. Late spring. 4" 10.00

7-C-139—Verrucosa (Guatemala and Mexico)—Long spikes, 1 to 2 feet. Flowers large; greenish, spotted deep purple. Spring. on logs 10.00

BRASSIDIUM AND OTHER GENERIC

BRASSIA HYBRIDS

Generic hybrids between the genera Brassia, Oncidium, Miltonia, etc. These are relatively rare in cultivation, and we think are among the orchids of the future. Culture as for Brassia.

7-C-140—Betty N. Shiraki (O. Sphacelatum x B. Braciata)—Long sprays of bright yellow; flowers of good size. Spring. 6" 12.50

7-C-141—O. Lanceanum x B. Braciata — Unflowered to date, but should produce a spectacular flower. Green and purple in color. 3" 7.00
4" 12.50

7-C-142—Miltonia Warszewiczii var. Weltoni x B. Verrucosa—Beautiful shape and rich purple bronze color; flowers good size. 1 1/2" 2.00
2" 4.00 3" 7.00

BROUGHTONIA

Closely allied to Cattleya, these beautiful little plants deserve much more attention. Grow on logs or in Fir Bark for the hybrids. Cattleya culture with strong light. We have flowered several crosses this past year and they are real gems.

7-C-143—Sanguinea (Jamaica)—Flowers 1" or more across of perfect shape; blood red to red pink in color. 1 1/2" 1.75
Flowering size on logs 10.00

7-C-144—Cattleytonia Rosy Jewell (C. Bowringiana x B. Sanguinea)—Lovely miniature dwarf plant; flowers perfect shape; salmon rose. 2" 4.50
3" 8.50

7-C-145—*Diabroughtonia* Alice Hart (B. *Sanguinea* x D. *Bicornutum*)—Perfection of shape; red to red pink flowers on long spikes. 1 1/2" 2.25
2" 4.50 3" 7.50

BLETIA

Terrestrial orchids with round flat corm like pseudo bulbs. Grown best in strong light in a rich compost soil. Keep well watered except when dormant.

7-C-146—*Purpurea* (Tropical America) — Spikes to four feet; many flowered; rosy purple. Easy culture. 4" 3.50

CALANTHE

Terrestrial orchids that make beautiful pot plants. Keep moist at all times on the evergreen species. For the dormant hybrids keep dry from October until new growth starts in the spring. Pot in organic compost and fertilize regularly.

7-C-147—*Discolor* var. *Bicolor* (Japan) — Lovely green foliage; long spikes; yellow to cream white flowers with darker lip. 4" 7.50

7-C-148—*reflexa* (Japan)—Lovely pot plant. Pale pastel to white flowers. Summer and fall. 4" 7.50

7-C-149—*Unnamed deciduous hybrids*—These are all fine types, but are not labeled as to name. Grow dry. Fall to winter. 4" 3.50

CATESETUM

Epiphytic orchids from Central America. Grow on the dry side much as you would the dry *Oncidium* species. Keep very dry when dormant. The hybrid we offer is from two of the finest species in the genus.

7-C-150—*Virideflavum* x *Laminatum*—Green to white; very large flowers, 4-5" across; quite spectacular. 2" 3.00
on logs 5.00

CATTLEYA SPECIES

Cattleya species and hybrids are among the showiest of all orchids. They are the popular florist flower. The species require ample water when in growth, but much less when dormant. They are among the easiest of all orchids to grow. Potting should usually be done just after the plant has flowered. Use Fir Bark.

7-C-151—*Aurantiaca* (Mexico-Honduras) — Flowers 2-3"; clear orange in heads 6-10 flowers. Summer. 4" 7.50
5" 10.00

7-C-152—*Harrisoniana alba* x *Self*—White to pale flush; beautiful shape and texture. on logs 7.50

7-C-153—*Mossiae* var. *Wageneri* (La Guayra)—The pure white form of *Mossiae*. The grandparent of most white hybrids. 5" 22.50

7-C-154—*Skinneri* var. *alba* (Costa Rica)—The lovely and rare pure white form of this small flowered species. Large clusters. Spring. 4" 25.00

CATTLEYA HYBRIDS

While most of the modern Cattleya hybrids contain either *Laelia* or *Brassovola*, a few containing the straight species are still made. These consist for the most part of the *alba* or pure white forms. They want more water than the species as they do not have such a prolonged rest period.

7-C-155—*Estelle alba* x *Eleanor Hinkley Dane*—Very large pure white of fine quality. Winter. 3" 6.50
4" 8.50

7-C-156—C. *Madam Rita Sladden* x *Angelina alba*—Heavy production of winter white flowers. 4" 10.00
5" 12.50



7-C-154—Cattleya Skinneri var. Alba

7-C-157—C. *Estelle alba* x *Madam Rita Sladden*—Companion to the above. Winter to early spring. 5" 12.50

7-C-158—C. *Estelle alba* x *Edithiae*—Large white. Winter. 4" 10.00

7-C-159—C. *Estelle alba* (Cowaniana x Edithiae)—A very fine, highly productive winter white. Good shape and texture. 5" 15.00

7-C-160—C. *Mount Shasta* (Estelle x Bebe White) — A proven white; large, fine shape and texture. Winter. 5" 15.00

7-C-161—C. *Dowiana* x *Prince Edward* — Large yellow bronze; very heavy texture. Summer. 1 1/2" 2.00

7-C-162—C. *Pavlova* x *Edithiae*—Medium size white, very heavy texture. Spring. 3" 6.50

7-C-163—C. *Mauna Kea* (Edithiae x Simplicity) — Very large flower; pure white. Spring. 6" 17.50
7" 20.00

7-C-164—C. *December Snow* x *Jean Barrow* var. *Kodama*—The Jean Barrow is a tetraploid and proven parent. Very fine winter whites. 3" 6.50
4" 12.50

7-C-165—(C. *Bobby Jewell Minnehaha* F.C.C.) x *Jean Barrow* var. *Kodama*—Similar to the preceding cross. Spring. 3" 6.50 4" 12.50 6" 20.00

7-C-166—C. *Stalin* x *Pualili*—Medium size, large heads of six to eight flowers; fine shape. Spring to summer. 1 1/2" 2.00 2" 3.50

7-C-167—C. *Estelle alba* var. *Mitsuhiro* (Cowaniana x Edithiae)—A fine selected clone of this excellent winter white. 5" 27.50

7-C-168—C. *Suzanne Hye* selected var. (Gaskelliana x Mossiae Wageneri)—A terrific producer. This is the best selection we have seen. Winter. 5" 25.00

7-C-169—C. *Janice Tanaka* (Angelina x Gaston Buitel)—No set season; gives you a surprise package of good quality white flowers throughout the year. 4" 10.00

7-C-170—C. *Bobby Jewell* x *Minnehaha* F.C.C.—A very free flowering large white. Winter. 5" 15.00

7-C-171—C. *Edithiae* var. *White Empress* x *Estelle* var. *Makashima*—An excellent winter white; large and free flowering. 4" 12.50
5" 17.50

7-C-172—C. *Joan Manda* (Suzanne Hye x White Empress) —A proven white of good quality. Winter. 5" 15.00

7-C-173—C. *San Onofre* x *Dupreana*—Very large flower; lavender with rich lip; good production. Fall. 4" 12.50
5" 17.50

7-C-174—C. *Enid* var. *alba* (Mossiae x gigas) — Large flower; white with purple lip; terrific production. Spring. 4" 10.00 5" 12.50

7-C-175—C. *Mlle. Louise Pauwells* (Edithiae x Intertexta) —Heavy producing white. Late fall to early winter. 5" 17.50

7-C-176—C. *Lorraine Sawtelle* (Barbara Dane x Clementine Goldfarb)—An excellent winter white; fine production. 5" 17.50

7-C-177—C. *Alice Pearce* (Mossiae Reineckiana x Princess Royal alba)—White sepals and petals, purple lip. Spring. 5" 15.00

7-C-178—C. *Katherine Patterson* (Enid alba x Mrs. Frederick Knollys)—Very large and prolific; white with colored lip. Spring. 5" 17.50

7-C-179—C. *Eva May Patterson* (Intertexta x Trianae var. Broomhill)—Large pure white. Mid-winter. 5" 17.50

7-C-180—C. *Yvonne Adair* (Clementine Goldfarb x Pegreen Fitzgerald)—Pure white. Late winter to early spring. 5" 17.50

7-C-181—C. *Thebes* var. *Bronze King* x *Yellow Chief* — Yellow Cattleyas are rare. This is a fine cross; yellow to bronze red. 1 1/2" 2.25
2" 4.50 3" 8.50

7-C-182—C. *Joyce Hannington* x *John Leder*—A superb white of equal quality to the Bow Bells type; white. 2" 4.00 3" 7.50

C. BOW BELLS TYPE CROSSES

These are the most awarded group of Cattleyas in the world. When first raised in England they created a sensation. Our stock of thousands of plants has been the result of years of selection. Cytological counts insure the new crosses of success. We offer these with complete confidence. They will win blue ribbons for you.

7-C-183—C. *Bob Betts* x *Estelle alba*—Triploids of very heavy production; pure white; heavy texture. Winter. 2 1/2" 4.00 4" 12.50

7-C-184—C. *Empress Bell* var. *Sandra* x *Bob Betts*—Very fine, many tetraploids; white. Winter. 2" 4.00

7-C-185—C. *Bow Bells* var. *Honolulu* x *Self*—Majority are tetraploids, equal to original strain of Bow Bells. 5" 37.50
Selected vars. 75.00 to 100.00

7-C-186—C. Bow Bells x Minnehaha F.C.C.—White. Late winter to spring. 5" 25.00

7-C-187—C. Bow Bells x Cowaniae — Very large, white. Winter to spring. 5" 25.00

7-C-188—C. Pearl Harbor (Bow Bells x Celia)—Medium size, beautiful shape; pure white. Spring. 5" 32.50

7-C-189—C. Bob Betts (Bow Bells x Mossiae Wageneri)—One of the best known; an excellent white. Winter to spring. 5" 32.50

7-C-190—C. Empress Bell (Bow Bells x Edithiae)—A very fine white. Winter. 5" 27.50

7-C-191—C. Gen. Patton (Bow Bells x Barbara Billingsley)—Very large size, white. Winter. 5" 32.50

Selected vars. 75.00 to 150.00

The following seedlings have all been produced in our own nurseries and represent the best that can be purchased. Only proven polyploid parents have been used. All are whites and will flower winter to spring.

7-C-192—C. Bob Betts var. Shirai x Estelle alba. 1 1/2" 2.25

7-C-193—LC. Nordic-Endicott x Bob Betts. 1 1/2" 2.25

7-C-194—(C. Bow Bells x Snow Song) x Bob Betts. 1 1/2" 2.25

7-C-195—(C. Irene x Cowaniae) x Bob Betts. 1 1/2" 2.25

7-C-196—C. Snowdon x Bob Betts. 1 1/2" 2.25

7-C-197—C. Eva May Patterson x Bob Betts. 1 1/2" 2.25

7-C-198—C. Bob Betts x Bob Betts. 1 1/2" 2.25

7-C-199—C. Rose Andrade x Bow Bells var. Snowflake. 1 1/2" 2.25

7-C-183 to 7-C-201—Cattleya Bow Bells Hybrids

7-C-200—C. Empress Belle var. Suyama x Self. 1 1/2" 2.25

7-C-201—C. Empress Belle x Gen. Patton. 1 1/2" 2.25

SMALL FLOWERED OR CLUSTER

TYPE CATTLEYAS

We have included here generic crosses as well as straight Cattleyas. They are very similar and should be grouped together.

Tremendous interest is being shown in this group today. Many say they are the Cattleyas of the future. We don't know about that, but we do know they are beautiful things and deserve to be in every orchid collection. Our stock is most complete and represents a long term breeding program.

7-C-202—C. Pualilili (Triumphans x Harrisoniana)—Pastel lavender with rich yellow throat. Summer. 4" 8.50

7-C-203—C. guttata Leopoldi x LC. Hawaiian Sunset—Red to green and yellow; large clusters, tall growing. Summer to fall. 1 1/2" 2.00

7-C-204—C. Amethystoglossa x Barbara Kirch—Very dark purple to bronze; many flowers to a head. Spring. 1 1/2" 2.00

7-C-205—LC. Hawaiian Sunset x LC. Grandee var. Jules Furthman — This has a terrific potential for yellow to bronze. Summer to fall. 1 1/2" 2.75

7-C-206—LC. Biceps x L. crispa — Lavender to bronze; many flowers. Spring. 1 1/2" 1.50

7-C-207—LC. Biceps x LC. Wright—Yellow, bronze, dark lavender, will segregate for all types. Late fall. 1 1/2" 2.25

7-C-208—C. Dolosa x C. Guatemalensis var. Butter—Perfection of shape; bronze to dark lavender. Spring. 1 1/2" 2.00

7-C-209—C. Undine x C. Amethystoglossa — Pale pastel spotted dark pink. Spring. 1 1/2" 2.00

7-C-210—SLC. Gary Copeman x SLC. Sunburst—Very dark red to orange. Late winter to early spring. 1 1/2" 3.50

7-C-211—LC. Hawaiian Sunset x LC. Panshurst—Rich yellow with dark lip. Fall and winter. 1 1/2" 2.25

7-C-212—LC. Opalesque x C. guttata—Very dark copper bronze. Summer and fall. 1 1/2" 2.00

7-C-213—C. Eurydice x LC. Hawaiian Sunset—Green to yellow and bronze; semi-dwarf. Summer to fall. 1 1/2" 2.00

7-C-214—LC. Wrigit x Metacom—Yellow to dark bronze. Fall to early winter. 1 1/2" 2.00

7-C-215—LC. Interbrosa x LC. Calizona — Red to dark orange yellow. Fall. 1 1/2" 2.00

7-C-216—LC. Hawaiian Sunset x S. J. Bracey—Red bronze to orange bronze. Spring and summer. 1 1/2" 2.25

7-C-217—LC. Hawaiian Sunset x C. Forbesii—Green to green yellow; dwarf growing. Summer to fall. 1 1/2" 2.00

7-C-218—LC. Wrigit x LC. Ardglory—Yellow and cream to very dark lavender. Spring to fall. 1 1/2" 2.00

7-C-219—C. Amethystoglossa x BLC. Sasacus—Excellent shape; light pink with dark spots. Winter to spring. 1 1/2" 2.25

7-C-220—C. Eurydice x LC. Canberra—Bronze to green yellow; semi-dwarf. Spring to summer. 1 1/2" 2.00

7-C-221—L. flava x LC. Alma—Very dark yellow to rich orange. Fall to early winter. 3" 7.50

7-C-222—LC. Goldstar Mother x L. flava — Rich butter yellow with red lip. Fall to winter. 1 1/2" 2.25

7-C-223—C. Rembrandt x guttata var. Leopoldi — Rich copper bronze; tremendous heads of flowers. Winter. 1 1/2" 2.25

7-C-224—BC. Mrs. Leeman x C. Skinneri alba—Pale cream to pastel; large clusters. Late Spring. 1 1/2" 2.00

7-C-225—C. Mendellii var. Fascination x C. Harrisoniana alba—Pale pastel to pure white; heavy texture, excellent shape. Spring. 1 1/2" 2.00

7-C-226—LC. Biceps x LC. Canberra—Rich bronze to yellow, very heavy texture. Fall. 1 1/2" 2.00

7-C-227—LC. Granuanu x LC. Issy—Very dark bronze to green bronze and red. Summer to early fall. 3" 6.50

7-C-228—C. R. Prowe x B. glauca—Pale pink; fine shape, very heavy texture. Spring. 3" 6.50

7-C-229—C. Bertii x Enid—Medium size, lavender; very heavy production. Late Spring to early fall. 3" 6.50

7-C-230—C. Michi (Estelle x Euchonia) — Pure white cluster; very heavy texture. Winter to early spring. 4" 12.50

7-C-231—C. Euchonia x Jean Barrow var. Kodama—Pure white, excellent shape. Spring. 3" 6.50

7-C-232—L. flava x SLC. Sunburst dark red—Very dark red to orange yellow. Fall. 1 1/2" 2.25

7-C-233—L. flava x SLC. Gary Copeman—Very dark yellow to salmon color. Winter. 1 1/2" 2.25

7-C-234—C. Schroderbarrow x C. Bertii — Pastel pink; heavy production. Early spring. 1 1/2" 2.00

7-C-235—C. R. Prowe (Intermedia alba x Suzanne Hye)—Very fine and productive pure white; flowers several times a year. 5" 17.50

7-C-236—C. Bertii (Harrisoniana x Labiata) — Compact flowers of fine color; deep lavender. Flowers at Christmas in Hawaii; should be light controllable. 4" 12.50

5" 17.50



Small Flowered or Cluster Type Cattleya

7-C-221—L. flava x LC. Alma—Very dark yellow to rich orange. Fall to early winter. 3" 7.50

7-C-222—LC. Goldstar Mother x L. flava — Rich butter yellow with red lip. Fall to winter. 1 1/2" 2.25

7-C-223—C. Rembrandt x guttata var. Leopoldi — Rich copper bronze; tremendous heads of flowers. Winter. 1 1/2" 2.25

7-C-224—BC. Mrs. Leeman x C. Skinneri alba—Pale cream to pastel; large clusters. Late Spring. 1 1/2" 2.00

7-C-225—C. Mendellii var. Fascination x C. Harrisoniana alba—Pale pastel to pure white; heavy texture, excellent shape. Spring. 1 1/2" 2.00

7-C-226—LC. Biceps x LC. Canberra—Rich bronze to yellow, very heavy texture. Fall. 1 1/2" 2.00

7-C-227—LC. Granuanu x LC. Issy—Very dark bronze to green bronze and red. Summer to early fall. 3" 6.50

7-C-228—C. R. Prowe x B. glauca—Pale pink; fine shape, very heavy texture. Spring. 3" 6.50

7-C-229—C. Bertii x Enid—Medium size, lavender; very heavy production. Late Spring to early fall. 3" 6.50

7-C-230—C. Michi (Estelle x Euchonia) — Pure white cluster; very heavy texture. Winter to early spring. 4" 12.50

7-C-231—C. Euchonia x Jean Barrow var. Kodama—Pure white, excellent shape. Spring. 3" 6.50

7-C-232—L. flava x SLC. Sunburst dark red—Very dark red to orange yellow. Fall. 1 1/2" 2.25

7-C-233—L. flava x SLC. Gary Copeman—Very dark yellow to salmon color. Winter. 1 1/2" 2.25

7-C-234—C. Schroderbarrow x C. Bertii — Pastel pink; heavy production. Early spring. 1 1/2" 2.00

7-C-235—C. R. Prowe (Intermedia alba x Suzanne Hye)—Very fine and productive pure white; flowers several times a year. 5" 17.50

7-C-236—C. Bertii (Harrisoniana x Labiata) — Compact flowers of fine color; deep lavender. Flowers at Christmas in Hawaii; should be light controllable. 4" 12.50

5" 17.50

CHONDRORHYNCA

Tufted epiphytes of easy culture. 50% shade in the cool part of the Cattleya house. Never let get completely dry.

- 7-C-237—*Dayana* (Panama)—Cream white marked blood red. Late fall. 6" 17.50
 7-C-238—*Marginata* (Panama)—White with purple stripes; most attractive. 5" 10.00
 7-C-239—*Costaricensis* (Costa Rica) — Dwarf miniature; many beautiful small white flowers. 4" 10.00

CHYSIS

Semi-terrestrial. Keep warm with lots of water when in growth. After growth remove to cooler location and keep on the dry side.

- 7-C-240—*Aurea* (Mexico and Peru)—3-6 flowers; brownish, yellow white. Spring. 4" 7.50
 7-C-241—*Bractescens* (Mexico-Guatemala) — 5-8 flowers; wax white. One of the loveliest of all flowers. Spring. 5" 12.50

COELOGYNE

A most interesting genus from the amateur standpoint. Pot in Fir Bark or on logs. They like plenty of water. Intermediate to warm temperatures.

- 7-C-242—*Alternatum* (South Pacific)—Chartreuse green to lemon yellow, dark lip. 5" 17.50
 7-C-243—*Massangeana* (Assam)—Long pendulous spikes up to two feet or more in length; flowers buff yellow, marked brown. Not seasonal. 5" 10.00
 7-C-244—*Pandurata* (Malaya) —The lovely dark green with a black lip; very rare. on logs 25.00
 7-C-245—*Burfordiense* (*Pandurata* x *asperata*) — Pale green, very large flowers; an excellent hybrid. 5" 17.50

CYGNOCHEs

Most unusual epiphytes that are called the Swan Orchids due to the formation of the long slender arched column. Grow with Cattleyas, but keep very dry when dormant. Give plenty of light.

- 7-C-246—*Chlorochilon* (Colombia - Panama) — Beautiful large green flowers up to 6" across. A fine corsage flower. 4" 10.00 5" 12.50

CYMBIDIUM

The species we list are all most interesting and are proven free flowering in warm regions. Plenty of water when in growth, dry when dormant.

- 7-C-247—*Finlaysonianum* (Malaya) — Pendulous racemes, many flowered. Brown red; very easy to grow. Not seasonal. 6" 12.50
 7-C-248—*giganteum* (India)—Large flowers; green brown, striped red. Winter. 6" 15.00
 7-C-249—*Grandiflorum* (Sikkim) — Large flowers; green yellow, lip spotted red. Winter. 6" 15.00
 7-C-250—*Pendulum* (Asia)—A giant species; large ochre yellow flowers, red lip; pendulous racemes. Not seasonal. 6" 12.50

7-C-251—MINIATURE CYMBIDIUMS

We have recently imported from the Orient a number of the new dwarf types. The majority of these appear to be various forms of *Cymbidium ensifolium*. However they are all identified by oriental names which have no specific Botanical meaning. We have four distinct types and offer them simply as forms of *ensifolium*. 4" pots 20.00 ea.



CYPRIPEDIUM SPECIES

Lady Slipper Orchids. A very easy genus for the amateur to grow. 50% shade, lots of water at all times. Pot soft in rich organic compost. Fertilize frequently.

- 7-C-252—*Barbatum* var. *Warneri* (Indonesia) — A lovely dwarf species. Tessellated foliage; purple with white flowers. 3" 7.50
 7-C-253—*callosum* (Thailand) — A beautiful tessellated foliage type. Flowers white, striped deep purple with purple pouch, long stems. Flowers all year, growth after growth. 5" 10.00
 7-C-254—*insigne* (India)—The easiest of all to grow. Can be handled as a house plant, almost anywhere. Green brown. Winter. 4" 3.50

CYPRIPEDIUM HYBRIDS

Equally easy to grow as the species. Hybridization has refined the flowers, and made them even more attractive. Every collection should have some of these fine plants. Our plants are beautifully grown and priced so that all can afford them.

7-C-253—*Hestia* (Cyclops x Lady Dillon)—A large spotted type, good shape. 5" 25.00

7-C-256—*Dora* (Actaeus x Illustre) — A very fine large green yellow. 5" 25.00

7-C-257—*Grace Darling* (Gwen Hannen x Phantasy)—A fine large green yellow. 5" 25.00

7-C-258—*Athol House* (Carola x Louvain) — Very large spots, usually a double ventral sepal; very nice. 5" 22.50

7-C-259—*Cyclops A.M.R.H.S.* (Actaeus x Fulshawense)—Green brown, large spots on dorsal; excellent shape. 5" 25.00

7-C-260—*Fairrierianum* x *Catherine Hardy*—Pink lavender, striped darker. Fairrierianum shape, but larger. 5" 15.00

7-C-261—*Prince Albert* var. *Chardwar* (Pyramus x Tommy-curte)—A fine rich red; long stems. 5" 32.50

7-C-262—*Blue Order* (Hestia x Nancy Gamble)—Wonderful shape, brown with large white dorsal. 5" 32.50

7-C-263—*Dillys* var. *Extra* (Adorn x Etta)—One of the boldest of the spotted types; excellent shape. 5" 32.50

7-C-264—*Bonita* (Great Mogul x Nancy Gamble)—Very clear cut spotted type; long stems. 5" 32.50

7-C-265—*Perth* (Camperdown x Robert Paterson)—An excellent red brown, large size. 5" 32.50

7-C-266—*Happy Ben* (Baldovan x Ranleigh)—Spotted type, large flower; very free flowering. 5" 25.00

7-C-267—*Royal George* (Harrisianum x Minos)—Rich dark purple red; long stems. 5" 20.00

7-C-268—*Rossetti* var. *Magnificum* (insigne x Maudiae)—Long stems; yellow green stripes on white, large flower. 5" 25.00

7-C-269—*Wm. Kirch* (insigne x Grace Darling)—A very clear yellow on a long stem; most vigorous and free flowering. 5" 12.50

7-C-270—*Gigas* var. *Corndean Hall* (Harrisianum x Lawrenceianum)—Large size, deep purple pouch, dorsal white, heavily veined purple; long stems. 5" 22.50

7-C-271—*Alma Gevaert* (Lawrencianum x Maudiae)—A superior form of the Maudiae type; white with clear green stripes on pouch. 5" 27.50

7-C-272—*Maudiae* var. *Magnificum* F.C.C.R.H.S. (callosum x Lawrenceianum)—The popular green florist Cyp. Flowers off and on all year. White striped green with green pouch; beautiful tessellated foliage. 4" 15.00

7-C-273—*Harrisonianum* var. *superbum* (Barbatum x Villosum)—Interesting to note this is the first Cypripedium hybrid ever raised. Registered in 1869, it is still a thing of great beauty. Rich purple red, it belongs in every collection. 5" 20.00

7-C-274—*Mme. Albert Fevier* (Germaine Opoix x insigne)—A beautiful spotted variety. Brown, green and red combination of colors. 5" 22.50

7-C-275—*Houdon* (Carpeaux x Mastiff)—A very large Cyp. on a long stem. Greens and brown, this majestic subject will thrill you. 5" 27.50

7-C-276—*Magnolia* (Cardinal Mercer x Niobe)—A rich red of good size and fine character. 5" 25.00

7-C-277—*Warrior* var. *Greens* (Alcibiades x Lord Wolmer)—One of the most famous green spotted types. A very famous parent. 5" 27.50

7-C-278—*Gold Mohur* x *Everest*—A fine yellow green of large size. 5" 25.00

7-C-279—*Corrisande II* (Ballet Girl x Mary Gratrix)—One of the best of the deep reds; long stem, very free flowering. 5" 22.50

7-C-280—*Alcibiades Magnificum* (Leeanum x M. de Curte)—A rich red that has been used many times as a parent. 5" 20.00

7-C-281—*Estrelia* (Christopher x Grace Darling)—One of the finest of the yellow greens; very long stem and large flower. 5" 27.50

7-C-282—*Oeananthum* (Harrisianum x insigne)—An old favorite. Very easy to grow; green brown. 5" 7.50

7-C-283—*Lyburnense Magnificum* (Charlesworthii x T. B. Haywood)—Lovely in shape, very free flowering; purple rose in color. A grand subject. 5" 20.00

7-C-284—*Gold Luna* (Gold Mohur x Luna)—Perfection of shape, rich gold green. A show winner every time. 5" 30.00

7-C-285—*King Arthur "Burgoyne"* (Bengleyense x M. de Curte)—One of the best cut flower types, long stems; mahogany red in color. Very free flowering. 5" 17.50

7-C-286—*Sir Redvers Buller* (insigne x Smithii)—Exceptionally free growing; purple red color. 4" 7.50

7-C-287—*Loma Prieta* (Chrysostom x Cyclops A.M.) — Heavily spotted with basic colors of brown, green, and white; very good grower. 5" 22.50

7-C-288—*Noel Hardy F.C.C.R.H.S.* (Nirvana x Nitens—Leeanum)—One of the best. Long stems; clear green brown and white flowers. 5" 17.50

7-C-289—*Martha Ramford* (Parentage unknown) — Very similar to Noel Hardy. 5" 15.00

7-C-290—*Minnesota* fine var. (Actaeus x Nirvana)—A very large and fine green yellow. 5" 27.50

7-C-291—*Dervish* (Bordube Eau de Nil x Grace Darling)—Lovely soft green yellow; good grower, free flowering. 5" 20.00

7-C-292—*Mencius* (Hadrian x Shogun) — Sorghum brown and green yellow spotted darker brown; good grower and free flowering. 5" 7.50

7-C-293—*Mauretania* (Alcibiades x Mem. F.M. Ogilvie)—A very fine large spotted type; free growing. 5" 17.50

7-C-294—*The major* var. *Becktons* (Gaston Butel x Harrisianum)—A very well shaped mahogany red flower, purple red and brown dorsal. 5" 22.50

7-C-298—*Cypripedium San Actaeus*



7-C-302—*Cypripedium Leeannum* var. *Hawaii*

7-C-295—*Wellesby* x *Woodnote*—Deep green of very large size and a long stem. 5" 20.00

7-C-296—*Atlantis* var. *Vivicans A.M.R.H.S.* (Cardinal Mercer x Chloris)—A very large, well shaped red; good stem and flowering habit. 5" 27.50

7-C-297—*Martin* (Bourton Lady x Swallow)—Exceptionally long stems, large striking spotted type; very easy to grow. 5" 7.50

7-C-298—*San Actaeus* (Actaeus x insigne Sanderæ)—A large green-yellow; very good grower, free flowering. 5" 12.50

7-C-299—*Leeannum Gratrixiae* (insigne x Spicerianum)—Green yellow dorsal, brownish purple pouch. 5" 10.00

7-C-300—*Leeannum superbum* F.C.C.R.H.S. — Green and white dorsal, brownish olive pouch; large size, long stem. 5" 10.00

7-C-301—*Leeannum* var. *Clinkaberryannum* — Medium size green and white, dorsal brown yellow pouch. 5" 10.00

7-C-302—*Leeannum* var. *Hawaii*—One of the best varieties. Our enormous supply is the only reason we can offer it at such a fantastic low price. 4" 3.50

7-C-303—*Virridissimum* var. *Blenheim* (aureum x Villosum)—A good green yellow; excellent grower. 5" 5.00

7-C-304—*Rosy Dawn* (Gwen Hannen album x Astarte)—Finely shaped, round flower. Porcelain white, tinged bluish pink; very free flowering. 4" 32.50

7-C-305—*Albion* F.C.C.R.H.S. (Astarte x Niveum) — A beautiful dainty flower. Snow White with an oriental green on the column. A real gem! 4" 42.50

7-C-306—*Astarte* (insigne Sanderæ x Psyche) — White splashed citron green on the lower dorsal and petals. Very free flowering. 4" 27.50

7-C-307—*F. C. Puddle* F.C.C.R.H.S. (Actaeus x Astarte)—Medium-sized, snow white, of beautiful shape. One of the best! 4" 52.50

7-C-308—*Phips* (Aureum surprise x Boltonii) — A good small white; good grower. 4" 27.50

7-C-309—*White Cypripediums*

Among the most beautiful of all orchids. These appear to be carved out of ivory. Unlike their brighter colored brothers and sisters, they flower several times a year. Grow in a warm temperature. Lime in the compost is beneficial.

7-C-304—*Rosy Dawn* (Gwen Hannen album x Astarte)—Finely shaped, round flower. Porcelain white, tinged bluish pink; very free flowering. 4" 32.50

7-C-305—*Albion* F.C.C.R.H.S. (Astarte x Niveum) — A beautiful dainty flower. Snow White with an oriental green on the column. A real gem! 4" 42.50

7-C-306—*Astarte* (insigne Sanderæ x Psyche) — White splashed citron green on the lower dorsal and petals. Very free flowering. 4" 27.50

7-C-307—*F. C. Puddle* F.C.C.R.H.S. (Actaeus x Astarte)—Medium-sized, snow white, of beautiful shape. One of the best! 4" 52.50

7-C-308—*Phips* (Aureum surprise x Boltonii) — A good small white; good grower. 4" 27.50



7-C-313—*Dendrobium Dearei*

DENDROBIUM SPECIES

A very large and polymorphic genus, distributed over a wide range of the Pacific to Asia. All are easily grown. General requirements are decided periods of growth and rest. Plenty of water and fertilizer when growing; keep dry and cool when dormant. Ample light at all times. Grows well in Fir Bark, Osmunda, or mounted on logs.

- 7-C-309—*Aggregatum* var. *majus* (India to Burma)—Dwarf habit; slender drooping spikes of beautiful orange flowers. Give practically no water, 50 degrees night temperature, from October to March to flower well. Spring. 4" 7.50
- 7-C-310—*Aggregatum* var. *Jenkinsii* (India)—A miniature form of the above; single flowers produced in profusion. Spring. on logs 6.50
- 7-C-311—*Atrovioleaceum* (New Guinea)—Lovely evergreen species, very rare; cream colored flowers spotted violet. Winter to spring. 1 1/2" 2.00
2" 4.00 3" 8.50 4" 12.50
- 7-C-312—*D'Albertyi* (South Pacific)—A lovely dwarf plant of the stratiotes type. Various flowering seasons. 4" 10.00
- 7-C-313—*Dearei* (Philippines)—Lovely white ginger-like flowers that last for months. An evergreen stately plant. Ours is an F2 selection from seed. 1 1/2" 2.00
- 7-C-314—*Formosum giganteum* (Assam)—Foliage covered with black hairs, 2 to 5" large; pure white flowers with orange throat. In clusters at tips of the pseudobulbs. Fall. 4" 15.00 5" 17.50
- 7-C-315—*Forbesii* (New Guinea)—A very rare species of the *Macrophyllum* section; large white flowers. Spring. 5" 40.00
- 7-C-316—*Fusiforme* (Queensland)—A pretty little plant with nice spikes of white flowers. 5" 7.50
- 7-C-317—*Johannis* (Queensland)—Evergreen, brown with canary yellow lip; long spikes. 4" 10.00
- 7-C-318—*Johnsoniae* (New Guinea)—*Macrophyllum* section, very rare; large white flowers with violet lip. 3" 25.00

- 7-C-319—*Gouldii* var. *Acutum* (Pacific Islands)—The rare blue form of this fine species. 1 1/2" 1.75
3" 5.00
- 7-C-320—*Gouldii* var. *Albiflorum* (Pacific Islands)—The pure white form. 1 1/2" 1.75
- 7-C-321—*Gouldii* (Pacific Islands)—Deep golden yellow with dark brown tips on the petals. Very free flowering. 5" 35.00
- 7-C-322—*Heterocarpum* (Philippines)—Decidious species; lovely fragrant yellow flowers. Our strain raised from seed of a very fine type. Not one plant in a thousand from the jungle would equal this strain. Fall. 4" 10.00
5" 12.50
- 7-C-323—*Hilderbrandii* (Burma)—Flowers 2 to 3 in clusters from the nodes; pale yellow orange lip. Spring. 5" 10.00
- 7-C-324—*Macrophyllum* (New Guinea)—Selfed seedlings of a very free flowering type; cream colored hairy flowers. 4" 12.50
- 7-C-325—*Macrophyllum* var. *giganteum* (Indonesia)—A very superior form. Plants and flowers much larger than the type. 6" 35.00
- 7-C-326—*Moschatum* var. *Cupreum* (India)—Large flowers, apricot yellow, lip like a pouch. Spring. 6" 15.00
- 7-C-327—*Nobile* (India)—Of easiest possible culture. Rosy pink, flowers in twos and threes from the nodes. Rest dry and cool (50 degrees nights) over winter. Spring. on logs 6.50
- 7-C-328—*Nobile* var. *Virginalis*—The pure white form of the above; very lovely. 4" 10.00
5" 12.50
- 7-C-329—*Parishii* (Malaya)—Similar to *superbum* but more dwarf in growth. Rich lavender color. baskets 10.00
- 7-C-330—*Phalaenopsis* (Queensland)—Rosy purple, large well shaped flowers. Fall. 4" 7.50
5" 10.00
- 7-C-331—*Phalaenopsis Schroderianum album*—Lovely pure white form; F3 selections from seed. Fall. 4" 17.50
- 7-C-332—*Phalaenopsis Schroderianum*—Larger than the type species; rosy purple. Fall. 4" 8.50
- 7-C-333—*Phalaenopsis* var. *compactum* (Queensland)—A dwarf form that only grows about twelve inches tall. Large well shaped lavender flowers. Fall. 3 1/2" 10.00
- 7-C-334—*Philippinense* (Philippines)—Curious terete foliage; small yellow flowers freely produced. 3-4" 7.50
- 7-C-335—*Pierardei* (Philippines)—Lovely pendulous plant; quantities of pale lavender with primrose yellow lip. Spring. 3" 7.50
- 7-C-336—*Pseudo* (Indonesia)—A very rare species of the stratiotes section. Rosy bronze with twisted green horns. 1 1/2" 2.00 2" 3.50 3" 5.00 4" 8.50
- 7-C-337—*Schuleri* (East Indies)—A very rare species that has been most valuable in breeding. Green flowers on long spikes. 1 1/2" 2.00
2" 3.50 5-6" 30.00
- 7-C-338—*Spectabilis* (New Guinea)—One of the rarest of the *Macrophyllum* section. Curious twisted flowers that are one of the wonders of the orchid world; a real collectors item. 1 1/2" 2.50
2" 4.00
- 7-C-339—*stratiotes* (Pacific Islands)—One of the most majestic of all the species. Flowers last for months on the plant; white with green horns. 5" 20.00
- 7-C-340—*superbum* var. *Dearei* (Philippines)—Pendulant; large pure white flowers along the bulbs at nodes. Very fragrant. 2" 3.00
3" 6.00

- 7-C-341—*Taurinum* (Philippines)—A beautiful species; white sepals, black purple petals and lip. A fine strain from seed. 1 1/2" 2.00
2" 3.50
- 7-C-342—*Tokai* (Fiji)—Evergreen, dark green flowers. Very charming, a useful parent. 4-5" 12.50
- 7-C-343—*undulatum* (Queensland)—Variable. Evergreen, brown and yellow shades; long spikes of undulated flowers. 5" 12.50 6" 17.50
- 7-C-344—*undulatum* var. *Broomfieldii*—Easily one of the finest *Dendrobium* species in existence. Clear green yellow flowers. Creates a sensation wherever shown. 3" 8.50
4" 12.50 5" 17.50
- 7-C-345—*Vestigii* (Indonesia)—A member of the undulatum section. Probably a natural hybrid; straw yellow and cream flowers. 5" 17.50
6" 25.00
- 7-C-346—*Veratrifolium* (Pacific Islands)—Blue-white flowers produced in great profusion; long spikes. 4" 12.50
- 7-C-347—*Violaceoflavens* (Indonesia)—Rare in cultivation. Yellow cream, violet lip. 1 1/2" 2.00
2" 3.50

7-C-327—*Dendrobium Nobile*





HAWAIIAN DENDROBIUM HYBRIDS

We have greatly reduced the number of offerings in this section in our 1957 catalog. Two reasons caused this change.

1. Many plants are too large for the average greenhouse, but are fine for tropical outdoor cultures. We are printing a separate list just for this market.

2. All greenhouse growers should have some, but only want the very finest for show and display purposes. Each plant offered here in this catalog is suitable for glass - outstanding in its class, and is moderate in size. In other words we have made a careful personal selection of the world's finest to offer to our customers in temperate zones.

CULTURE

Hawaiian *Dendrobium* Hybrids are of very easy culture. They can be grown by anyone that can grow *Cattleyas*. They like reasonably strong light, and the seedlings will benefit by extended light to sixteen hours per day. When in active growth water copiously, and fertilize regularly. After growth matures, reduce the water and fertilizer to harden the bulbs. They do not need the severe drying and resting that is recommended for the cool growing Asian species.

We are breaking them up into sections based on certain characteristics to help you make your selections.

DENDROBIUM PHALAEOPSIS SECTION

I. Lady Hamilton-type hybrids. This new group has created as much interest in this genus as has the advent of Bow Bells in Cattleyas or Nellie Morley in Vandas. They are polyploids and have rich dark colors, with wonderful size, and perfection of shape. Because of the preponderance of Dend. Phalaenopsis blood in them they are primarily fall and winter flowering. Every collection should contain some of these plants. Colors are all rich lavender.

- 7-C-348—D. Lady Hamilton x Helen Fukumura. $1\frac{1}{2}$ " 2.00
 7-C-349—D. Kalihi dark x Lady Hamilton. $1\frac{1}{2}$ " 1.75
 7-C-350—D. Lady Hamilton var. Red Flare x Self. $1\frac{1}{2}$ " 2.00
 7-C-351—D. Lady Hamilton var. Cardinal x Lois Anderson. $1\frac{1}{2}$ " 2.00
 7-C-352—D. Norvel Gillespie x Lady Hamilton var. Red Flare. $1\frac{1}{2}$ " 2.00
 7-C-353—D. Colin Potter x Lady Hamilton. $1\frac{1}{2}$ " 2.00
 7-C-354—D. Caesar x Lady Hamilton var. Red Ember. $1\frac{1}{2}$ " 2.00
 7-C-355—D. Biggibum x Lady Hamilton. $1\frac{1}{2}$ " 2.00
 7-C-356—D. Lady Hamilton x Louis Blieriot. $1\frac{1}{2}$ " 2.00
 7-C-357—D. Anouk x Lady Hamilton var. Red Flare. $1\frac{1}{2}$ " 2.00
 7-C-358—D. Momi Fujimoto x Lady Hamilton. $1\frac{1}{2}$ " 2.00
 7-C-359—D. Lady Hamilton var. Crimson Beauty x Lady Constance var. Faye. $1\frac{1}{2}$ " 2.00
 7-C-360—D. Lady Hamilton var. Red Ember x Self. $1\frac{1}{2}$ " 2.00
 7-C-361—D. Lady Hamilton x Lady Hamilton. $1\frac{1}{2}$ " 1.75
 7-C-362—D. Lady Constance x Lady Hamilton. $1\frac{1}{2}$ " 1.75
 7-C-363—D. Lady Hamilton x Phalaenopsis Dixon A.M.H.O.S. $1\frac{1}{2}$ " 2.00

A.M.H.O.S. $1\frac{1}{2}$ " 2.00
 2" 4.00
 II. D. Phalaenopsis Crosses. These are various hybrid combinations of great beauty bred around Dend. Phalaenopsis but distinct from the Dend. Lady Hamilton type. Season fall and winter.

- 7-C-364—D. Lois Anderson (Hawaii Nui x Phalaenopsis Schroderianum var. Ruby)—Wonderful parentage of this fine ever-flowering hybrid; rich lavender. $1\frac{1}{2}$ " 1.75
 2" 2.50
 7-C-365—D. Pamela Kirch var. Spring A.M.H.O.S. x Phalaenopsis var. alba—White to pale green, large size. $1\frac{1}{2}$ " 2.00
 7-C-366—D. Hawaii Nui x Lady Constance—Rich lavender; long spikes. $1\frac{1}{2}$ " 1.50
 7-C-367—D. Lady Constance x Madam Pompadour—Wonderful shape, dark lavender. $1\frac{1}{2}$ " 1.75
 7-C-368—D. Louis Blieriot x Helen Fukumura—Perfect shape, long spikes; lavender. $1\frac{1}{2}$ " 1.75
 2" 2.50
 7-C-369—D. Hawaii Nui var. Woodlawn x Anouk—Free flowering, long spikes; lavender. $1\frac{1}{2}$ " 1.50
 7-C-370—D. Phalaenopsis Schroderianum var. Ruby x Pamela Kirch—Very free flowering, rich dark lavender. $1\frac{1}{2}$ " 1.50
 2" 2.50
 7-C-371—D. Anouk var. Cavaco A.M.H.O.S. x Phalaenopsis Dixon A.M.H.O.S.—Perfection of shape, rich lavender. $1\frac{1}{2}$ " 2.00
 7-C-372—D. Lim Chong Min x Lady Constance—Heavy texture, dark lavender. 3" 5.00
 7-C-373—D. Ruby King (Dark Prince x Phalaenopsis var. Ellen Williams)—The few we have seen are spectacular; perfection of shape, ruby red color. $1\frac{1}{2}$ " 2.50
 2" 3.50

7-C-374—D. Louis Blieriot (Phalaenopsis Schroderianum var. Ruby x Superbiens var. superba)—Perfection of parentage on this very great favorite; rich lavender. $1\frac{1}{2}$ " 2.00

- 7-C-375—D. Louis Blieriot (Phalaenopsis var. compactum x Superbiens var. superba)—The dwarf form, ideal for small greenhouses. Dark lavender color. $1\frac{1}{2}$ " 1.75
 7-C-376—D. Biggibum x Madam Pompadour—Excellent shape, medium lavender. $1\frac{1}{2}$ " 1.50
 7-C-377—D. Anouk x Lady Constance var. Faye. $1\frac{1}{2}$ " 1.75
 7-C-378—D. Lady McBlue var. x Phalaenopsis compactum var. Blue Moon—Dwarf habit. Distinct blue color. $1\frac{1}{2}$ " 1.75
 2" 3.50
 7-C-379—D. Anouk (Phalaenopsis Dixon A.M.H.O.S. x Madam Pompadour)—Perfection of shape, rich dark lavender. $1\frac{1}{2}$ " 2.50

III. Dend. Phalaenopsis strains. These are selected strains from seed offering the finest stock to be found.

- 7-C-380—D. Phalaenopsis var. Dixon A.M.H.O.S. x Self—A Self of the best Dixon type we have ever seen; rich lavender. $2\frac{1}{2}$ " 5.00
 7-C-381—D. Phalaenopsis Bedford F.C.C. x Self x Phalaenopsis White Foam—A lovely pure white form. $2\frac{1}{2}$ " 5.00
 7-C-382—D. Phalaenopsis var. giganteum x Self—Very large, a fine parent; dark lavender. $1\frac{1}{2}$ " 2.00
 7-C-383—D. Phalaenopsis Schroderianum var. Ruby x Self—A Self cross of the best to be found; rich lavender. $1\frac{1}{2}$ " 2.50
 2" 4.50
 7-C-384—D. Phalaenopsis var. Mauna Kea—White with pink flush in the lip. 3" 7.50
 4" 10.00
 7-C-385—D. Phalaenopsis var. alba—A very fine pure white form. 3" 7.50
 5" 15.00
 7-C-386—D. Phalaenopsis Schroderianum var. alba—Extra large, pure white. 3" 8.50
 5" 17.50
 7-C-387—D. Phalaenopsis dark x Phalaenopsis Dixon—Rich dark color. 3" 5.00

HAWAIIAN CANE TYPE HYBRIDS

These are larger growing than the foregoing D. Phalaenopsis types. The selections made here are suitable to greenhouse culture. We recommend placing these plants outdoors or in a lath house during all good weather. Such hardening will reduce plant size and increase flowering.

- 7-C-388—D. May Neal (Hawaii green gold x Schuleri)—Green to yellow and orange; a remake of a proven hybrid. $1\frac{1}{2}$ " 1.50
 2" 2.50
 3" 5.00
 7-C-389—D. Hula Girl (Hawaii green gold x undulatum var. Broomfieldii)—Clear chartreuse green. $1\frac{1}{2}$ " 1.50
 2" 2.50
 7-C-390—D. Hawaii (Tokai var. Woodlawn x Phalaenopsis Schroderianum var. Ruby)—Very free flowering, rich lavender. $1\frac{1}{2}$ " 1.75
 2" 3.00
 7-C-391—D. Pauline Phalaenopsis (Schroderianum var. Ruby x undulatum Broomfieldii)—Rich purple red form of this wonderful hybrid. $1\frac{1}{2}$ " 1.75
 2" 3.00
 7-C-392—D. May Neal x stratiotes—Rich yellow with purple lip. $1\frac{1}{2}$ " 1.50
 2" 2.50
 3" 5.00
 4" 8.50
 7-C-393—D. Hawaii Nui x Taurinum—Rich dark purple. $1\frac{1}{2}$ " 1.50
 2" 2.50
 3" 5.00
 4" 7.50

7-C-394—D. Dark Prince x Taurinum—Very large, dark purple. $1\frac{1}{2}$ " 1.75

- 7-C-395—D. Caesar (Phalaenopsis x stratiotes)—Large flower, dark lavender to pure white. $1\frac{1}{2}$ " 1.50
 2" 2.50
 3" 5.00
 selected pure white forms 20.00
 7-C-396—D. Gold Flush x May Neal var. Duke A.M.H.O.S.—Clear green yellow. $1\frac{1}{2}$ " 1.75
 7-C-397—D. Walter Carter x Phalaenopsis var. giganteum—Very dark lavender, good size. $1\frac{1}{2}$ " 1.50
 3" 5.00
 7-C-398—D. Hirakawa Blue x Lady McBlue—White with dark blue petals and lip. $1\frac{1}{2}$ " 1.50
 2" 3.00
 7-C-399—D. Hirakawa x Phalaenopsis compactum var. Blue Moon—A dwarf blue form. $1\frac{1}{2}$ " 1.75
 7-C-400—D. Blue Bonnett x Gouldii Blue—Very free flowering blue. $1\frac{1}{2}$ " 1.50

DEND. MACROPHYLLUM SECTION

This is a new type of Dendrobium hybrid ideally suited to glasshouse culture. Plants are neat and compact and the flowers last for weeks in perfection. A wonderful pot plant.

- 7-C-401—D. Gracia Lewis x Atroviolaceum—Rich dark purple, very heavy texture. $1\frac{1}{2}$ " 2.50
 2" 4.50
 3" 7.50
 7-C-402—D. Vera-Shibata x Spectabile—Most unusual; hard to predict in color but probably brown to yellow. $1\frac{1}{2}$ " 3.00
 2" 5.00
 7-C-403—D. Freckles (Atroviolaceum x undulatum)—Brown with golden freckles; very distinct. 4" 12.50
 7-C-404—D. Woodlawn (Atroviolaceum x Spectabile)—Very bizarre; cream and dark purple. $1\frac{1}{2}$ " 1.75
 7-C-405—D. May Neal Blue x Atroviolaceum—Blue to cream with black purple spots. 2" 5.00
 7-C-406—D. May Neal x Macrophyllum—Yellow to cream, very heavy texture. $1\frac{1}{2}$ " 2.00
 2" 3.50
 7-C-407—D. New Guinea (Atroviolaceum x Macrophyllum)—A wonderful pot plant; cream white purple spots. $1\frac{1}{2}$ " 1.75
 4" 8.50
 5" 10.00
 6" 15.00

DEND. NOBILE TYPE HYBRIDS

These crosses have been bred for freedom of flowering without the necessity to subject them to severe drying and hardening. They are beautiful subjects and are spring flowering.

- 7-C-408—Tamagawa (Cybele x Lady Colman var. King George)—Clear yellow, medium size. flowering size 12.50
 7-C-409—Schneiderianum x 49er—White with black purple lip. $1\frac{1}{2}$ " 1.75
 2" 3.00
 3" 5.00
 7-C-410—Plumptonense (Cybele x Nobile)—Exceptional size, good lavender color, excellent shape. 5" 17.50
 7-C-411—D. Nestor x superbum var. giganteum—A large dark purple; superbum type. 3" 6.00

DEND. DEAREI TYPE HYBRIDS

These are among the most beautiful of all orchids. Lovely evergreen plants; flowers in cluster of three to four and look like white ginger blossoms. They last on the plants for months and make wonderful cut flowers. The two crosses we list are superb.

- 7-C-412—Thomas Warne (Sanderæ major x Schutzzei). 2" 3.00
 3" 6.00
 4" 10.00
 5" 15.00
 7-C-413—Jane Warne x Sanderæ var. major. $1\frac{1}{2}$ " 1.75
 2" 3.00



7-C-426—Epidendrum Prismatocarpum

EPIDENDRUM

A most diverse genus of plants from the new world of very easy culture. They require similar conditions to Cattleyas but more light. They are divided into two distinct groups, reed stem types and those with pseudobulbs.

7-C-414—*alatum* (Mexico-Nicaragua)—Pseudobulbous type. Stems terminal, long spikes; green brown flowers. Summer. on logs 7.50

7-C-415—*Aromaticum* (Guatemala)—Foliage stiff, flowers greenish-yellow; very fragrant. Fall. 4" 7.50

7-C-416—*atropurpureum* (Tropical America)—One of the most popular of the *Encyclia* group. Deep rose purple flowers. Spring. 4-5" 7.50

7-C-417—*Boothii* (Panama)—A most charming miniature. Many spikes of pale chartreuse to white flowers. Fall. 3" 5.00

7-C-418—*ciliare* (Tropical America) — Pseudobulbous growth like a Cattleya. Lovely green and white flowers. Fall and winter. Flowering size 6.50

7-C-419—*cochleatum* (Tropical America) — Variable flowering season; Pseudobulbous. Flowers green with black purple, cockle shell lip. Very easy to grow. on logs 5.00

7-C-420—*diffusum* (Mexico)—Reed stem of dwarf habit. Very large panicles for green flushed pink miniature flowers. 4" 7.50

7-C-421—*Difforme* (Tropical America)—Various flowering season; semi-reed stem. Lovely jade green flowers. 5" 7.50

7-C-422—*Eburneum* (Panama)—A lovely pale green flower that appears to be carved out of Jade. Fall. on logs 6.50

7-C-423—*Fragrans* (Tropical America) — Pseudobulbous; large fragrant flowers. Creamy white, lip streaked with purple. Summer and fall. 4" 7.50

7-C-424—*Moyobambae* (Central America) — Semi-reed stem; large heavy textured flowers, green with ivory white lip. 4" 7.50

7-C-425—*loniphelebium* (Central America)—Very large well shaped ivory flowers. Pseudobulbous growth, grey-green foliage. 4" 7.50

7-C-426—*Prismatocarpum* (Central America)—Pseudobulbous; cream sepals and petals spotted dark purple, lip rose colored. Long lasting, very fine. on logs 7.50

7-C-427—*Stamfordianum* (Central America)—Pseudobulbous, flower spikes come from the base of the pseudobulbs. Straw yellow and red flowers, most attractive. on logs 7.50

7-C-428—*Vitellinum* var. *majus* (Mexico) — Grey-green foliage, pseudobulbous; flowers cinnabar orange. Flowers in autumn on new growth. on logs 8.50

EPIDENDRUM HYBRIDS

A fine group of hybrids for the amateur to grow. They are easier to grow than the species and flower more freely. As pot plants they are quite spectacular.

7-C-429—*Lee Ward* (*Tampense* x *alatum*) — Dwarf like *Tampense*. Flowers larger and more highly colored. Fall. 4" 7.50

7-C-430—*Gail Nakagawa* (*alatum* x *atropurpureum*) — Large spikes of rose; purple flowers. Summer and fall. 3" 5.00 4" 7.50

7-C-431—*Betty May* x *atropurpureum* *Randii*—Large size, many flowers to a spike; rich chocolate sepals and petals, rose red lip. 2" 3.00 3" 6.00 4" 8.50

7-C-432—*ciliare* x *atropurpureum* *White*—Large flowers, green to white sepals and petals, purple lip. 2" 2.50 3" 5.00

7-C-433—*cochleatum* x *dicromum*—Green bronze sepals and petals with a large dark purple lip. 2" 3.00 3" 5.00

7-C-434—*Betty May* x *Brownie*—Large sprays, brown to rose. 1 1/2" 1.75 2" 2.50 3" 5.00

7-C-435—*Tampense* x *Betty May* — Dwarf plant. Dark brown with pink lip. 1 1/2" 1.75 2" 2.50

7-C-436—*Difforme* x *Floribundum*—Semi-reed stem, large cluster green flowers with ivory lip. 1 1/2" 2.00

7-C-437—*cochleatum* x *Brownie*—Very large spikes; green to brown rose lip. 1 1/2" 1.75

EPIDENDRUM GENERIC HYBRIDS

In continuance of the above, but adding other genera to increase size and color variations. These are spray orchids of great charm. Grow with, and as you would, Cattleyas.

7-C-438—*Schomburgkia undulata* x *E. atropurpureum* — Very long spikes; red brown flowers with purple red lip, crisped and undulated. Fall. 1 1/2" 1.75 2" 3.00

7-C-439—*L. anceps* x *E. ciliare* — Long spikes; lavender purple flowers. Fall to winter. 1 1/2" 1.75 2" 3.00 3" 5.00

7-C-440—*C. Bowringiana* x *E. ciliare*—Large clusters, medium lavender with fimbriated lip. Fall to winter. 2" 3.00 3" 5.00

7-C-441—*B. nodosa* x *E. Mariae*—Green to white with large green lip. Dwarf plant. Fall. 1 1/2" 2.00

7-C-442—*E. Replicatum* x *C. R. Prowe*—Rosy purple, large flowers. Late fall to winter. 1 1/2" 2.00

7-C-443—*C. R. Prowe* x *E. atropurpureum*—Large flowers, rose purple with a dark lip. Fall to winter. 3" 5.00 4" 8.50

7-C-444—*C. Mossiae* x *E. ciliare*—Large clusters, rose purple flowers with fimbriated lip. 1 1/2" 2.00 2" 3.50



Reed Stem Epidendrum Hybrids, Pink

HAWAIIAN REED STEM EPIDENDRUMS

Probably there is no other orchid plants, or for that matter any other plant including road side weeds, that can be so simply cultivated. We continually hear from our customers that these plants are always in flower. Full selection available.

CULTURE: Anyone can grow them. They want good light. In most regions outdoor culture is preferable, except when night temperatures fall below 40 degrees F. when they need protection. They should never get bone dry. Fertilize once every two weeks with any good liquid fertilizer. Pot them in a rich compost of an organic nature, such as old Os-munda, oak mould, peat moss, garden loam, and sand, all mixed together in equal proportions. Pot like a soil plant in a 5-6" pot. For garden culture, plant them in well drained beds using a similar compost, in full morning sun.

7-C-445—Rainbow Hybrids — Colors: red, geranium red, yellow, lavender, light lavender, pink, rose, dusty rose, peach, fuschia, orange, buff. 4" 3.00; per dozen 30.00
Unpotted aerial plantlets (Keikis) ea. 1.00; per doz. 8.00

SELECTED HYBRIDS

These are individual clones selected from thousands as having just a little bit more of everything: better growth, better color, larger flowers. We have given them garden names for identification. They represent the best to be had.

7-C-446—Kokee—The lovely little white hybrid. 4" 6.00
Keikis ea. 2.00; per doz. 18.00

7-C-447—Orange Glow—Three times the size of any other; bright salmon orange. 4" 6.00
Keikis ea. 2.00; per doz. 18.00

7-C-448—Eggshell—Large heads, egg shell color, bright spot on the lip. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-449—Butterball — Deep, even butter yellow; excep-tionally large heads of 30-40 flowers. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-450—Hilo Rose—Dark red rose color, very large flower and good heads. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-451—Saffron Glow—A very fine new hybrid offered for the first time. Flowers twice the size of normal reed stem; colors rich yellow to orange. 4" 6.00
Keikis ea. 1.50; per doz. 15.00

7-C-452—King Lavender—Deep lavender with white center to the lip; fine heads. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-453—Kahili — Dwarf growth. Bright orange flowers; excellent. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-454—Purple Heart — Very rich fuschia purple, large flowers. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

7-C-455—Cinnabarinum—A species but very fine; as large as Orange Glow, but bright orange. 4" 4.50
Keikis ea. 1.50; per doz. 15.00

ERIA

A genus that is very polymorphic. Principally from the Far East. Culture as for *Oncidium*s, but not so dry.

7-C-456—*Convallariodes* (Himalaya-South Burma)—Long spikes of small white flowers that resemble Lily of the Valley. Fragrant, very charming pot plant. 4-5" 7.50

7-C-457—*Ornata* (Asia and Philippines)—Round bulbs with several heavy green flowers; long spikes with brilliant orange bracts. on logs 7.50

7-C-458—*Biflora* (Himalayas-Indonesia) — Upright stems with beautiful foliage. Flowers closely set in the leaves; white with yellow. 6" 10.00

GONGORA

Unusual epiphytes with fantastic flowers. Closely allied to *Stanhopea*. Culture the same.

7-C-459—*Maculata* (Guatemala) — Large clear yellow flowers spotted and marked with red. on logs 7.50

GRAMMATOPHYLLUM

A large genus of orchids allied to *Cymbidium*s widely found over the Pacific region. Culture as for *Cymbidium*s. Grow dry and warm.

7-C-460—*scriptum* (Indonesia-New Guinea)—Long spikes of green and brown flowers, closely set on the stem. A most striking specimen plant. 5" 8.50
6" 12.50

7-C-461—*scriptum* var. *Tigrinum* (Philippines)—A larger flowered form; cream with black purple spotting. 4" 8.50

7-C-462—*Speciosum* (Malaya) — The giant of all orchid species. Flower scapes 5 feet or more, carrying up to 100 flowers. Flowers large, 5-7" across; ochre yellow blotched wine purple. 7-8" 40.00

HEXISEA

A genus from tropical America. Very interesting plants with jointed pseudobulbs. Culture simple if grown on logs. Grow with *Oncidium*s.

7-C-463—*Bidentata* (Panama) — Lovely scarlet orange flowers; most attractive. on logs 7.50

IONOPSIS

Small tufted epiphytes allied to *Oncidium*s. Culture the same.

7-C-464—*utriculariodes* (Tropical America)—Nice spikes of white flowers, rose purple on the lip. on logs 7.50

ISOCHILUS

Tufted epiphytes with slender stems. Flowers on dense, apical one sided racemes. Keep moist at all times.

7-C-465—*Linearis* (Tropical America)—Lovely pot plant; pale rose to white flowers. Spring. 4" 7.50

7-C-466—*Minor* (Tropical America) — Very dwarf plant; pale rose to white flowers. Spring. 4" 7.50

HUNTLEYA

Semi-terrestrials of very easy culture. Long creeping rhizomes with heavily foliated pseudobulbs. Culture as for *Brassia*.

7-C-467—*Meleagris* (Tropical America)—Scapes short, one flowered. Flowers 3", red brown marked yellow. 6" 10.00

LAELIA

Closely allied to *Cattleyas* and truly one of the best genera. Culture same as for *Cattleyas* but more light.

7-C-468—*anceps* (Mexico)—One orchid that should be in every beginner's collection. Long spikes with 2-6 large lavender flowers. Of the easiest possible culture. Fall and winter. on logs 5.00

7-C-469—*anceps* var. *Stella*—Sepals and petals white, lip white with rose markings, throat yellow with purple lines. 5" 7.50

7-C-470—*anceps* var. *disiplinada* x self — A self cross of this very rare and lovely splashed petal form. 1 1/2" 2.00

7-C-471—*Amoena* (*anceps* x *pumila* *Praestans*) — Dwarf plants; very large rich lavender flowers. Fall. 4" 7.50

7-C-472—*Gouldiana* (Mexico) —Long spikes of 3-7; deep purple colored flowers. Fall. 4" 10.00

7-C-473—*Albida* (Mexico) — 5-8 flowers on long spikes; white with rose flushed lip. Fall. on logs 7.50

7-C-474—*Autumnalis* (Mexico) — 5-7 rose colored flowers on long spikes. Fall. on logs 5.00

7-C-475—*peduncularis* (Mexico) — Dwarf. Long spikes; white flush of exquisite shape. on logs 5.00

7-C-476—*Rubescens* (Mexico)—Similar to above but rose purple in color. 4" 5.00

7-C-477—*anceps* x *flava*—Very rich bronze lavender to golden yellow. Winter to spring. 4" 12.50

7-C-460—*Grammatophyllum* *Scriptum*



LAELIOCATTELEYAS

Hybrids between *Laelia* and *Cattleyas*. Of a stronger constitution than *Cattleyas* and usually of more intense color. Culture as for *Cattleyas*.

7-C-478—*C. Trianae* var. *coerulea* x *LC. Dulce* — Long stems with blue white flowers of fine shape. Winter. 5" 12.50

7-C-479—*L. crispa* x *LC. Yasmin*—Dark purple like a giant *L. crispa*; quite a distinct novelty. Spring. 4" 7.50
5" 10.00

7-C-480—*LC. Ardgloory* x *LC. Winema alba*—Lovely white sepals and petals, very rich red purple lip. Spring. 1 1/2" 2.00
2" 3.50

7-C-481—*C. Annie J. Lines* x *LC. Gitche Manitowish*—Dark lavender of fine shape and large size. Fall. 4" 8.50

7-C-482—*LC. Queen Mary F.C.C.R.H.S.* x *LC. Mrs. Medo Node var.*—A perfect lavender crossed to one of the best yellow studs; bronze color. Fall. 4" 10.00

7-C-483—*C. United Nations* x *LC. Florence Patterson*—Large pastel or white with colored lip forms. Spring. 1 1/2" 2.00

7-C-484—*LC. Florence Patterson* x *C. Estelle White Lady*—Pure white, large size. Spring. 1 1/2" 2.00

7-C-485—*LC. Terry Wayne* x *LC. Fedora var. Everest*—Snow white sepals and petals with black purple lip. Spring. 1 1/2" 2.25

7-C-486—*C. Dinahbo* x *LC. Venetia*—Excellent shape, lavender with darker lip. Fall. 1 1/2" 2.00

7-C-487—*C. Dinahbo* x *LC. Cabazon*—Excellent exhibition lavender. Late fall to early winter. 1 1/2" 2.00

7-C-488—*LC. Marietta* x *LC. Venetia*—Tremendous size, fine shape; lavender. Fall. 1 1/2" 2.00

7-C-489—*LC. Balkis var. superba* x *South Esk var. Empress*—Two of the best exhibition type lavenders; large well shaped flowers. Fall. 3" 7.50
4" 10.00

7-C-490—*LC. Morvyth var. Magnifica (LC. Lustre x St. Gothard)*—A famous lavender stud that has produced some wonderful results. Fall. 5" 75.00

7-C-491—*LC. Blanchette alba* x *C. Hardyana alba*—White sepals and petals, very dark rich purple lip; excellent shape, large size. Winter to spring. 4" 12.50
5" 15.00

7-C-492—*LC. Blanchette alba (LC. Hassallii x C. Amabilis)*—Pure white sepals and petals, very dark purple lip. A proven stud of excellent quality. Spring. 5" 40.00

7-C-493—*LC. Mermoz (LC. Marie-Louise x C. Remy Chollet)*—Excellent shape, a fine winter exhibition quality lavender. 5" 25.00

7-C-494—*LC. Valencia var. superba (LC. Soulangue x C. Dinah)*—Very large size lavender of excellent shape, Fall and winter. 5" 35.00

7-C-495—*LC. Princess Prudence (Princess Mary x Prudence)*—Very rich color, dark lavender. Winter to spring. 5" 35.00

7-C-496—*LC. Sargon var. Magnifica* x *LC. Balkis var. superba*—Exceptional size; pale lavender sepals and petals, rich purple lip. Fall and winter. 2" 3.50

7-C-497—*LC. McNeil Beauty* x *LC. Fedora var. Everest*—Lovely clear white sepals and petals, rich royal purple lip. Winter to spring. 1 1/2" 2.25

7-C-498—*(LC. Princess Margaret x C. Profusion) x LC. Balkis var. superba*—Excellent shape, rich purple color. Fall and winter. 1 1/2" 2.25
2" 4.00

7-C-499 *LC. McNeil Beauty* x *LC. Canberra var. Stonehurst*—Yellow to chartreuse with rich purple lip. Spring to summer. 1 1/2" 2.25

7-C-500—*LC. McNeil Beauty* x *LC. Emma Matsuguma var. alba*—Excellent size and shape, white sepals and petals, rich purple lip. Spring. 1 1/2" 2.25

7-C-501—*LC. California var. Rosy Morn* x *(Octave Doin-Mossiae)*—Clear pink lavender, good size and shape. Spring. 4" 8.50

7-C-502—*LC. Lustre var. Westonbirt* x *LC. Tuscan*—Very heavy texture, dark lavender. Fall. 3" 6.50

7-C-503—*LC. Bocono* x *Dorothy Kodama*—Excellent shape, large, heavy textured lavender. Winter. 3" 6.50

7-C-504—*C. Enid* x *LC. Bocono*—Similar to above. Spring. 3" 6.50

7-C-505—*LC. Choton x Phaedra alba*—Clear white sepals and petals, exceptionally dark purple lip. 1 1/2" 2.00
2" 3.50 3" 6.50 3 1/2" 8.50

7-C-506—*LC. Christine (C. Triumphans x LC. Canberra "Stonehurst")*—A beautiful yellow to orange with bright red lip. Summer and fall. 3" 7.50

7-C-507—*C. Enid var. Amazon* x *LC. Woodstar*—Exceptional size, medium lavender. Spring. 3" 6.50
4" 10.00

7-C-508—*C. Thebes Bronze King* x *LC. Nuuanu var. Ishii*—Dark yellow to bronze. Summer and fall. 3" 7.50

7-C-509—*LC. Edith Wilkie* x *LC. Canberra var. Stonehurst*—Yellow lavender combination that will produce rich red lavender progeny. Fall and winter. 3" 7.50
4" 12.50

7-C-510—*LC. Ravenswood* x *LC. Ishtar var. Westonbirt F.C.C.R.H.S.*—Very large, richly colored lavender of exhibition quality; free flowering. Fall. 3" 7.50

7-C-511—*LC. Princess Margaret var. Prince F.C.C.R.H.S. x C. Hesperus var. Kodama*—Exceptional shape, medium dark lavender. Winter. 2" 4.00
3" 7.50 4" 12.50

7-C-512—*C. Tityus* x *LC. Bodian*—Lavender, very large, rich color. Winter. 1 1/2" 2.00
2" 3.50 3" 6.50 4" 10.00

7-C-513—*LC. Bodian* x *Dorothy Kodama*—Large flower, light sepals and petals, rich purple lip. Winter. 2" 3.50

7-C-514—*LC. Ludgata* x *LC. Balkis var. superba*—Exhibition quality lavender with dark lip. Fall and winter. 1 1/2" 2.25 2" 4.00 3" 7.50

7-C-515—*C. Edward Mathews* x *LC. Tuscan*—Fine shape, very dark lavender color. Fall. 2" 3.50
2 1/2" 5.00

7-C-516—*LC. Balkis fine var. x C. Edward Mathews*—Light sepals and petals, rich purple lip. Fall and winter. 2" 3.50 3" 6.50 4" 10.00

7-C-517—*LC. Dorothy Kodama* x *LC. Lustre var. Westonbirt*—Perfection of shape, medium lavender with very dark lip. Fall and winter. 2" 3.50
3" 7.50 4" 10.00

7-C-518—*C. Stalin* x *LC. Princess Margaret var. superba*—Perfection of shape, very large lavender. Winter. 1 1/2" 2.00 2" 3.50

7-C-519—*LC. Dorothy Fried* x *LC. Balkis var. superba*—Another very fine exhibition lavender. Fall to winter. 1 1/2" 2.00 2" 3.50

7-C-520—*LC. Viscountess var. Beauty* x *LC. Hyperion*—Sure to win awards for quality; rich lavender. Winter. 1 1/2" 2.50 2" 4.50

7-C-521—*LC. Hyperion* x *LC. Invicta F.C.C.R.H.S.*—With parentage like this you can't go wrong. A perfect winter lavender. 1 1/2" 3.00

7-C-522—*LC. Nuuanu* x *LC. Canberra*—Rich yellow to orange with red lip. Summer to fall. 1 1/2" 2.25 3" 7.50

7-C-523—*C. Clotho var. rosea* x *LC. Miami F.C.C.A.O.S.*—Lavender, excellent shape. Winter. 6" 20.00

7-C-524—*LC. Bou Philippo* x *LC. Hertha var. Perfection*—Very large, perfection of shape, lavender. Winter. 1 1/2" 2.50

7-C-525—*LC. Christine Kodama* x *LC. Hertha var. Perfection*—Similar to above but earlier flowering. 1 1/2" 2.50

7-C-526—*C. Ashland* x *LC. Mysedo var. Miya*—Rich red lavender, large size. Fall. 1 1/2" 2.25
2 1/2" 5.00 4" 12.50

7-C-527—*C. Ashland* x *LC. Balkis var. superba*—Excellent size and shape, lavender. Fall. 1 1/2" 2.00
2" 4.00

7-C-528—*LC. Canberra var. Stonehurst (LC. Litiana x C. Venus)*—Bronze yellow with red lip. Tetraploid, one of our best studs. Fall. 4" 100.00

7-C-529—*C. Thetis var. Rivermont* x *LC. Windemere var. Clovelly A.M.R.H.S.*—Superb parentage; lavender. Winter to spring. 4" 15.00

7-C-530—*LC. Britannia alba* x *Self*—Clear white sepals and petals, rich royal purple lip. Spring. 4" 12.50
5" 17.50

7-C-531—*LC. Sir Walter Scott alba* x *Self*—A white with purple lip; very heavy production. Spring. 4" 8.50
5" 12.50

7-C-532—*LC. Helen Wilmer* x *Palatine*—A fine quality winter flowering lavender. 4" 12.50
5" 17.50

7-C-533—*LC. Helen Wilmer* x *Self*—A Self of this famous winter lavender. 4" 12.50
5" 17.50

7-C-534—*LC. Emmie Livingston (C. Enid x LC. Miami)*—Large lavender of excellent shape and carriage. Spring. 5" 20.00

7-C-535—*LC. Florida* x *LC. Momus A.M.R.H.S.*—Medium lavender with dark lip, excellent shape. Fall and winter. 4" 12.50 5" 20.00

7-C-536—*LC. Morvyth Magnifica* x *C. Gay Gordon*—Very large size, rich lavender color. Fall flowering. 6" 17.50

7-C-537—*LC. Frank J. Lind (Helen Wilmer x Windemere)*—A selected clone of this excellent winter lavender. 5" 50.00

7-C-538—*LC. Candora (LC. Canberra x LC. Fedora)*—Rich yellow with dark purple lip. Spring to summer. 5" 75.00

7-C-539—*LC. Gatton Glory (LC. Canberra x C. Mimosa)*—Canary yellow with rich red lip. Summer to fall. 5" 75.00

7-C-540—*LC. Morvyth Magnifica* x *C. Ardentissima*—Very rich dark purple, large flower. Fall. 5" 35.00

7-C-541—*LC. Penshurst* x *LC. Golden Sheen*—Large orange yellow with a dark lavender lip. Spring. 5" 35.00

7-C-542—*LC. Princess Margaret* x *C. Profusion*—Large excellent shaped lavender. Winter. 5" 30.00

7-C-543—*LC. Princess Wilmer (Helen Wilmer x Princess Margaret)*—An excellent winter lavender for exhibition purposes. 5" 50.00

7-C-544—*LC. S. J. Bracey* x *LC. Golden West*—Rich orange yellow with a red lip. Summer. 5" 75.00

7-C-545—*C. Serenity* x *LC. Integrity*—Dark lavender, excellent shape. Winter. 5" 40.00

7-C-546—*LC. South Esk var. Empress (LC. Elissa x C. Profusion)*—Medium lavender, perfect shape. Winter to spring. 5" 60.00

7-C-547—*LC. Snowdrift (LC. Cynthia var. Model x C. Annette alba)*—White sepals and petals, lavender lip, excellent shape. Spring. 5" 35.00

7-C-548—*LC. Eugenie* x *C. Alesia*—A very free flowering white with colored lip. Spring. 5" 17.50

7-C-549—*LC. American Security (C. Royana x LC. Princess Margaret)*—A perfect hybrid; rich lavender, fine shape. Winter. 5" 75.00

7-C-550—*LC. George Lewis (LC. Helen Wilmer x C. Alette)*—Excellent shape, medium lavender. Winter. 5" 20.00

7-C-551—*LC. George Baldwin (C. Enid x LC. Princess Margaret)*—One of the most famous spring flowering lavender hybrids ever raised. A triploid, it has tremendous production. 5" 17.50
selected vars. 35.00



7-C-567—Miltonia Bluntii

LOCKHARTIA

Anyone interested in botanicals should include this genus. The plants themselves are beautiful with their handsomely tailored foliage. Of very easy culture, they grow on logs in a semi-shaded part of the Cattleya house.

- 7-C-552—*Amoena* (Panama)—Tiny foliage, bright green yellow flowers. on logs 7.50
 7-C-553—*Acuta* (Panama)—Branched spikes of tiny white flowers. on logs 7.50
 7-C-554—*Micrantha* (Panama)—Exceptionally free flowering, straw yellow. on logs 6.50
 7-C-555—*Oerstdii* (Panama)—The largest of the genus; bright orange yellow flowers. on logs 10.00

LYCASTE

Every amateur collection should have at least one plant of these. They do not require much heat. Plenty of water during active growth. A decided rest when dormant.

- 7-C-556—*Barringtoniae* (West Indies)—Large clear greenish yellow flowers, red markings on the lip. Spring. 4" 7.50

- 7-C-557—*Candida* (Central America)—Pale green to white with a rose lip. Spring. 4" 7.50
 7-C-558—*Deppei* (Mexico)—Pale green with white lip spotted orange and red. Winter. 4" 7.50
 7-C-559—*Dowiana* (Panama)—Rich golden brown; a fine species. Fall and winter. 4" 7.50
 7-C-560—*Macrophylla*—Olive green with a pink lip. 4" 7.50
 7-C-561—*Ianipes* (Ecuador)—Very large growing, white shaded green, serrated lip. Fall. 5" 12.50
 7-C-562—*Powellii* (Panama)—Dwarf growing; green flowers marked brown. Winter. 4" 7.50

MAXALLARIA

A diversified genus of epiphytes from tropical America. The larger flowered forms are most attractive and worthy of consideration for cut flowers. The other species are most interesting botanicals. Culture as for *Lycaste*.

- 7-C-563—*Albo-lutea* (Panama)—A large flowered form. Flowers cream white, very heavy texture. Spring. 5" 7.50
 7-C-564—*crassifolia* (Central America)—A botanical type. Small yellow flowers of very heavy texture. 4" 4.50
 7-C-565—*grandiflora* (Peru)—Flowers very large, 3-4" sepals and petals, milk white, lip lemon yellow. Very rare. 5" 12.50
 7-C-566—*Valenzuelana* (Panama)—Botanical type with most curious foliage. Leaves curl downward, yellow flowers. on logs 4.50

MILTONIA

We grow only those that can stand warm climates. Closely allied to *Oncidium*s. They are beautiful plants. Grow in 50% shade, never dry them severely. Cattleya house. Do well in Fir Bark.

- 7-C-567—*Bluntii* (Brazil)—Lavender and white flowers of good size. 4" 10.00
 7-C-568—*Gayity* (*Festiva* x *Spectabilis*)—Cream to light yellow with large lavender spots. 4" 10.00
 7-C-569—*Goodale Moir* (*Flavescens* x *Clowesii*)—Shades of green, yellow, and brown, many heavily spotted; very free flowering. 4" 10.00
 7-C-570—*Purple Queen* (*Clowesii* x *Morelianum*)—A very fine *Morelianum* type in black purple. 4" 15.00
 7-C-571—*Rozellii alba* Panama—White with purple spot in center, fine shape. 4" 12.50
 7-C-572—*Warscewiczii* Central America—One of the rarest species; neat round red brown flowers, rose purple lip. 4" 25.00

MILTONIDIUM

Hybrids between *Oncidium* and *Miltonia*. Wonderful spray orchids that are relatively rare in cultivation. We think these are orchids of the future. Culture as for warm *Miltonias*.

- 7-C-573—*O. Blachettii* x *M. Warscewiczii* var. *Weltoni*—Long sprays, golden brown flowers; long lasting. 3" 6.50
 2" 4.00
 7-C-574—*O. Harrisonianum* x *M. Warscewiczii*—A dwarf form with many small brown flowers. 1 1/2" 2.00
 7-C-575—*M. Warscewiczii* x *O. Fragrance*—Yellow brown, medium size. 1 1/2" 1.75
 2" 2.50 3" 5.00
 7-C-576—*O. Powellii* x *M. Warscewiczii*—Exceptional size, rich golden brown. 1 1/2" 2.25
 7-C-577—*O. Triquetrum* x *M. Warscewiczii* var. *Weltoni*—Pink brown to red; dwarf plant. 1 1/2" 2.00

ONCIDIUM

A large group of spray orchids that lend charm to any collection. Called the dancing ladies they are well named. Culture is very easy. Give plenty of water when in growth, a dry resting period when dormant. 25% shade. They appreciate feeding when in growth.

- 7-C-578—*Altissimum* (West Indies)—Easiest of all to grow. Long spikes carry hundreds of golden yellow flowers. on logs 5.00
 7-C-579—*Ampliatum* var. *maius* (Central America)—Large flat bulbs; branched spikes of bright yellow flowers. on logs 10.00
 7-C-580—*Ansiferum* (Panama)—Most attractive plant. Long branched spikes of bright yellow and brown flowers. on logs 7.50
 7-C-581—*Cabagrae* (Panama)—Tremendous production of long spikes; brown yellow. 4" 10.00
 7-C-582—*Carthagense* (Tropical America)—Scapes 3-5 feet; flowers creamy white, spotted purplish rose. 5" 10.00



7-C-583—*Oncidium Cheiroporum*

- 7-C-583—*Cheiroporum* (Panama)—A miniature of great charm. Bright yellow, this should be in every collection. 3" 7.50 on logs 7.50
 7-C-584—*Confusum* (Panama)—Brown and yellow, tall upright spikes; vigorous grower. 6" 6.50
 7-C-585—*guttatum* (West Indies)—Scapes 3-9 feet; large yellow green flowers of great beauty. A very fine species. 6" 15.00
 7-C-586—*Harrisonianum* (Brazil)—Miniature plants; golden brown flowers. on logs 5.00

- 7-C-587—*Incurvum* (Mexico)—Lovely long spikes of lavender-pink and white flowers. 5" 10.00
 7-C-588—*intermedium x Self* (West Indies) — A lovely dwarf form with long spikes of brilliant yellow flowers. 1 1/2" 2.00 2" 3.50
 7-C-589—*Lanceanum* (Trinidad-Guianas)—Yellow, shaded green, spotted brown and purple. Considered by many as the finest species in the genus. 4" 7.50 5" 12.50
 7-C-590—*Obryzatum* (Panama)—Dwarf plant. Very heavy flower production; brown and yellow flowers. 4" 7.50
 7-C-591—*Panamense* (Panama)—Brown and yellow; very long spikes. on logs 5.00
 7-C-592—*Powellii* (Panama)—A very rare and fine species; dark chocolate brown flowers of large size. 4" 15.00
 7-C-593—*Pulsilum* (Panama)—Fair shaped dwarf foliage about 3" high; lovely bright yellow flowers singly on stems above the foliage. A wonderful miniature. on logs 5.00
 7-C-594—*Stipitatum* (Panama) — Terete foliage, heavily branched spikes. Brown and yellow flowers. on logs 5.00
 7-C-595—*teres* (Panama)—Terete foliage, large brown and yellow flowers. on logs 7.50
 7-C-596—*Stramineum* (Mexico) — Tough leathery leaves, round cream flowers. on logs 7.50
 7-C-597—*Leuchochilum* (Mexico) — Long spikes white flowers spotted dark brown and purple. 5" 8.50
 7-C-598—*Ornithorynchum* (Mexico)—Lovely dwarf miniature; sprays of pink flowers. 4" 7.50 5" 10.00
 7-C-599—*Maculata* (Mexico)—Large flowers, bright yellow and brown on long spikes. 4" 7.50 5" 10.00
 7-C-600—*tetrapetalum* (West Indies) — Cream yellow spotted dark red; dwarf plant. 1 1/2" 2.00 2" 3.50

ONCIDIUM HYBRIDS

Becoming more popular all the time we are proud to offer this very complete selection. They flower even more freely than the species.

- 7-C-601—*Splinter* (*Altissimum x Leuchochilum*) — Very robust. Cream to yellow on huge spikes. 1 1/2" 2.00 2" 3.50 3" 6.50
 7-C-602—*Faye* (*Lanceanum x Maureen*)—Lovely spikes of pink red flowers. 1 1/2" 2.00 2" 3.50 3" 6.50
 7-C-603—*Urophyllum x pulchellum*—Dwarf plant; probably red pink. 1 1/2" 2.00 2" 3.50
 7-C-604—*Urophyllum x tetrapetalum*—Yellow brown flushed brown; dwarf plant. 1 1/2" 2.00 2" 3.50 3" 6.50
 7-C-605—*Triquetrum x Urophyllum*—Yellow brown flushed red; dwarf plant. 1 1/2" 2.00
 7-C-606—*Braceyana x Nona*—Large bright yellow; large spikes. 1 1/2" 2.00 2" 3.50 3" 5.00
 7-C-607—*Cabagrae x Comtesse de Bretonne* — Medium size flower, yellow and brown; large spikes. 2" 3.50 3" 5.00
 7-C-608—*Blanchetti x Varicosum Rogersii*—Bright yellow; very large spikes, large flowers. One of the best. 2" 4.00 3" 6.50
 7-C-609—*Sylvester x flexuosum*—Bright red pink; large spikes, medium size flowers. 3" 6.50
 7-C-610—*pulchellum x intermedium*—Bright pink to red; dwarf plant. 1 1/2" 2.00
 7-C-611—*Maureen x luridum yellow*—Very large flower, long spikes bright red and yellow. 1 1/2" 2.00

- 7-C-612—*Pubes x luridum*—Miniature plant; bright yellow and brown. 1 1/2" 2.00 2" 3.50
 7-C-613—*tetrapetalum x Triquetrum* — Cream to brown with red markings; dwarf plant. 1 1/2" 2.00 2" 3.50
 7-C-614—*Sylvester x pulchellum*—Bright rose pink; dwarf plant. 1 1/2" 2.00 2" 3.50
 7-C-615—*Helen Brown* (*Triquetrum x Variegatum*)—Red brown with darker markings; dwarf plant. 3" 6.50
 7-C-616—*Altissimum x Lanceanum*—Rich yellow brown, large flower; long spikes. 1 1/2" 2.00 2" 3.50 3" 5.00
 7-C-617—*Kunawai* (*flexuosum x Forbesii*) — A lovely hybrid; bright yellow. 4" 7.50
 7-C-618—*Nona* (*crispum x Varicosum Rogersii*) — Rich yellow brown, very large size. 1 1/2" 2.00

ORNTHOCEPHALIS

A lovely genus of miniature orchids. The plants themselves are most attractive with their stylized foliage. Grow in the shaded part of the Cattleya house.

- 7-C-619—*Bicornis* (Panama) — Ivory sepals and petals, green lip. 2 1/2" 5.00
 7-C-620—*Inflexus* (Panama)—Similar to *Bicornis*, larger plant, green flowers. on logs 5.00

PERISTERIA

Semi-terrestrial plants. The one species we offer is by far the best in the genus. Culture: Cattleya house, in large pots of rich organic compost. Water and fertilize heavily.

- 7-C-621—*Elata* (Panama)—Called the Dove orchid. Waxy white flowers on long spikes. Most unusual. 6-7" 8.50

PESCATORIA

A very beautiful genus from Tropical America. Grow in the warm part of the Cattleya house. 50% shade, keep moist at all times.

- 7-C-622—*Dayanum* (Columbia) — One flowered. Flowers large, fleshy, tipped dark crimson against white. Most beautiful. Fall and winter. 6" 17.50
 7-C-623—*Cerinum* (Panama)—One flowered. Flowers large citron yellow with bright yellow lip. 5" 7.50

PHAIUS

Semi-terrestrial orchids of very easy culture and great beauty. Pot in a rich organic compost. Fertilize regularly and give plenty of water. They are not tolerant of dryness.

- 7-C-624—*Gravesii* (*Wallichii x Tancarvilleae*)—A wonderful hybrid. Very large size with huge spikes up to 4 to 5 feet; golden brown with purple lip. Spring. 6" 15.00
 7-C-625—*Griffae* (Fiji) — White with pale lemon yellow lip, flowers medium size. Fall. 5" 10.00
 7-C-626—*Maculatus* (North India) — Dark green leaves spotted yellow, 3" flowers buff yellow, chocolate markings on the lip. Spring. 5" 7.50
 7-C-627—*Mishmiensis* (Assam) — Elongated pseudobulbs. Flowers soft rose pink, fading to buff. Winter. 5" 7.50
 7-C-628—*Tancarvilleae* (Tropical Asia)—Large flowers 4" across, golden brown purple lip. Reverse of flower white. Spring. 7" 8.50
 7-C-629—*Wallichii* (North India)—Large flowers, strong spikes; tawny buff, shaded red with white lip. Winter to spring. 5" 8.50



Phalaenopsis Doris

PHALAENOPSIS

Among the most beautiful of all spray orchids. They prefer about 50% shade, and should never be allowed to dry severely. Grow in either pots or baskets. They do well in Fir Bark with or without the addition of lime. They are heavy feeders and should be fertilized regularly. They initiate spikes on short days and flowering can be controlled by the use of shading. They also respond to long light periods for rapid growth of seedlings. Light extension to sixteen hours will make them mature very quickly. Night temperatures should be 58-60 degrees.

We are breaking the section into two parts; pink flowers and white flowers. As most hybrids have been raised from a few basic species, descriptions are all very similar. All crosses have been made to produce size and shape with heavy texture. In one or two instances novelty characteristics are involved. We so note where this is true.

PINK CROSSES

7-C-630—Schilleriana x (Rothschildiana x Hawaii).	3"	6.00
1 1/2" 2"	4.00	
7-C-631—Intermedia Portei x Schilleriana—Pink with red lip.	3"	6.00
7-C-632—Hi Ho pink x Sanderiana.	1 1/2"	2.00
7-C-633—Schilleriana Alpha x Schilleriana.	1 1/2"	1.50
7-C-634—Wiganiae x Schilleriana.	1 1/2"	1.50

WHITE CROSSES

7-C-635—(Venustus x Emogene Kono) x Gilles Gratiot.	3"	6.00
2" 3.00		
7-C-636—(Venustus x Atala x Gilles Gratiot.	3"	6.00
7-C-637—(Atala x La Canada) x Doris.	1 1/2"	1.75
	2"	3.00
7-C-638—Leslie x Avalanche.	1 1/2"	1.75
	2"	3.00
7-C-639—Venustus x Avalanche.	2"	3.00
7-C-640—Venustus x (P44 x J. L. Kingsbury).	1 1/2"	1.75
	2"	3.00
7-C-641—P44 x J. L. Kingsbury x Doris.	1 1/2"	1.75
	2"	3.00
7-C-642—(Doris x La Canada) x (P44 x J. L. Kingsbury).	1 1/2"	1.75
1 1/2" 1.75	2"	3.00
7-C-643—(J. L. Kingsbury x La Canada) x Doris.	1 1/2"	1.75
	1 1/2"	1.75
7-C-644—(Venustus x La Canada) x Doris.	1 1/2"	1.75
7-C-645—Doris var. tetraploid x Doris.	1 1/2"	2.00
7-C-646—Elizabethae x (Katherine Siegwart x Doris).	3"	6.00
	4"	8.50
7-C-647—Elizabethae x Elizabethae.	4"	8.50
7-C-648—Wilhelmina Tenney x Doris.	3"	6.00
7-C-649—Doris x Atala.	4"	7.50
7-C-650—Venustus x Elizabethae.	3"	6.00
	5"	10.00
7-C-651—Elizabethae x La Canada.	3"	6.00
	5"	10.00
7-C-652—Barbara Kirch x Venustus.	3"	6.00
	5"	10.00
7-C-653—Barbara Kirch x grandiflora.	3"	6.00
	5"	10.00



7-C-666—Renanthera Brookie Chandler

PHOLIDOTA

Allied to Coelogyne and requiring similar culture. A curious genus with its long terminal racemes of flowers that resemble a rattlesnake's rattler. Hence the name Rattlesnake Orchid.

7-C-654—*Imbricata* (Asia)—Stout pseudobulbs with dark green leaves. White flowers in perfect rattlesnake formation. 5" 7.50

PLATYCLINNIS

Plants of graceful habit that should be in every collection. They will grow well along with Cattleyas. Plenty of water when growing, a decided rest thereafter. Aptly called the Chain Orchid.

7-C-655—*Cobbianum* (Philippines)—Yellow with red lip; long chain spikes. Fall. 3" 7.50

7-C-656—*Filiformis* (Philippines)—Deep golden chartreuse. Often referred to as the Golden Chain Orchid. A very dwarf growing plant. 3" 7.50

RENANTHERA

A beautiful, brilliant and showy genus closely allied to Vandas. Culture as for Vandas, but with as much light as possible.

7-C-657—*Coccinea* (Burma) — Large branched spikes; brick red. flowering size 10.00

7-C-658—*Monachica* (Philippines) — Dwarf plant; orange with red spots. 1 1/2" 1.75
2" 3.00

7-C-659—*Storiei* (Philippines)—Large plant, huge spikes of deep blood red flowers. flowering size 17.50

7-C-660—*Monachica* x *Imschootiana* — A lovely dwarf hybrid; blood red flowers. 1 1/2" 1.75
2" 3.00 3" 6.00 4" 10.00

7-C-661—*Monachica* x *Coccinea*—Semi-dwarf; orange red flowers. 1 1/2" 1.75
2" 3.00 3" 6.00

7-C-662—*Elongata* x *Imschootiana*—Dwarf growing; intense blood red. 1 1/2" 1.75

7-C-663—*Elongata* x *Monachica* — Dwarf growing; brick red to orange red. 1 1/2" 1.75

7-C-664—*Brookie Chandler* x *Coccinea* — Semi-dwarf; bright fire red. 1 1/2" 1.75
2" 3.00

7-C-665—*Coccinea* x *Imschootiana*—Dwarf; bright fire red. 1 1/2" 1.75

7-C-666—*Brookie Chandler* (*Storiei* x *Monachica*)—Bright fire red with orange spots; semi-dwarf plant. 1 1/2" 1.75
2" 3.00 3" 6.00 4" 10.00

RENANTANDA

Hybrids between Vanda and Renanthera. These are among the most beautiful of all spray orchids. Flowers are long lasting and most spectacular either as cut flowers or display plants. Culture as for Hybrid Vandas.

7-C-667—*Violet* (*V. Amoena* x *R. Storiei*)—Two color combinations, either mahogany red or violet purple. A superb hybrid. 7" 17.50

7-C-668—*Jack Warne* (*V. Sanderiana* x *R. Storiei*)—One of the most wonderful hybrids in existence. Large flowers, rich salmon red. 1 1/2" 2.00
2" 4.00 3" 7.50

7-C-669—*V. Ellen Noa* x *R. Storiei*—Salmon orange to red, large size. 1 1/2" 1.75
2" 3.00

7-C-670—*Ren. Donald McIntyre* x *V. Betsy Sumner*—Red pink to deep magenta, very large flowers. 1 1/2" 2.00
2" 4.00 3" 7.50

7-C-671—*Ren. Donald McIntyre* x *V. Sanderiana*—A terrific combination of great promise. Salmon red to orange, very large flowers. 1 1/2" 2.50
2" 5.00

7-C-672—*R. Brookie Chandler* x *Ren. Donald McIntyre*—The first cross we have made of Renanthera back to Renantanda. Deep blood red. 1 1/2" 2.00
2" 3.50

7-C-673—*V. Liliha* x *R. Imschootiana*—Dwarf plants; rich red purple flowers. 2" 3.50
3" 6.50

7-C-674—*V. Burgeffii* x *R. Imschootiana*—Blood red color; dwarf plants. 2" 3.50
3" 6.50

RENANOPSIS

The combination of crosses involving *Renanthera* and *Vandopsis*. They are most spectacular and make terrific exhibition plants.

- 7-C-675—Lena Rowold** (*R. Storiei* x *V. Lissoschiloides*)—Terrific spikes of rich blood red flowers. This is a hybrid you will long remember once seen in flower. 3" 6.00
4" 10.00 5" 12.50 6" 15.00
- 7-C-676—R. Storiei x Rena. Lena Rowold**—The back cross of the above to *Storiei*. Much more intense red in color, smaller plants. 2" 3.00
3" 6.00
- 7-C-677—V. Lissoschiloides x Rena. Lena Rowold**—The back cross to the other parent. Orange red; very large plants. 1 1/2" 1.75
2" 3.00 3" 6.00 4" 10.00
- 7-C-678—R. Brookie Chandler x V. Davisii**—A rare new hybrid dwarf habit; blood red. 1 1/2" 3.00
- 7-C-679—V. Lissoschiloides x R. Monachica**—A dwarf form; orange with purple spotting. 6" 17.50
7" 20.00

RODRIGUEZIA

Dwarf growing epiphytes from Tropical America. They grow best on logs in about 50% shade in the Cattleya house.

- 71C-680—Secunda (Panama-Brazil)**—Rose pink to dark red. A very attractive species. on logs 7.50

SCAPHYLOTTIS

Distinct botanicals that are very pretty and easy to grow. For those that like miniatures these are very fine. Culture on logs as for *Rodriguezia*.

- 7-C-681—Minuteiflora (Panama)**—Literally covered with tiny pure white flowers. These occur several times during the year. on logs 5.00
- 7-C-682—longicaulis (Panama)**—Similar to above but with more grass like foliage, and slightly larger white flowers. 3-4" 5.00

SCHOMBURGKIA

Allied to *Laelia*, culture the same. Give plenty of light. Do not disturb by potting more often than necessary.

- 7-C-683—Lueddemaniana (Central America)**—Deep bronze-brown, beautifully curled and waved; long spikes of 12-15 flowers. 5-6" 10.00
- 7-C-684—Lyonsii (Jamaica)**—Spikes 3-4 feet; white spotted purple, lip white and yellow. 6" 12.50
- 7-C-685—Lyonsii alba**—Very rare; the white form of the above. 6" 22.50
- 7-C-686—Tibicinis (Mexico Costa Rica)**—Spikes 3-5 feet; flowers reddish to purple brown. Stems hollow. on logs 8.50

- 7-C-705—Spathoglottis Primrose**



7-C-721—*Trichoglottis Philippinense* var. *Braciata*

- 7-C-687—Thompsoniae x Lueddemaniana**—A new hybrid that should produce beautiful golden brown flowers. 1 1/2" 1.75

SCHOMBURGKIA HYBRIDS

These are rapidly winning favor for their novelty aspect. Flowers are quite large—big heads, and most unusual colors. Culture as for *Cattleya*.

- 7-C-688—Schombocat Harry Dunn (C. R. Prowe x S. Lueddemaniana)**—A wonderful hybrid; unusual shades of brown to golden yellow. Fall. 5" 12.50
6" 17.50
- 7-C-689—S. undulata x C. Bertii**—Deep royal purple; large heads. 3" 6.50
- 7-C-690—L. Superbiens x SL. Kalihi**—Very long spikes; lavender. 1 1/2" 1.50
- 7-C-691—S. undulata x Epi. atropurpureum**—Very dark purple; fine spikes. 2" 2.50
3" 5.00
- 7-C-692—SL. Kalihi x C. Guatemalensis**—Very large heads, lavender bronze. 1 1/2" 1.50
2" 2.50
- 7-C-693—S. Lueddemaniana x C. Guatemalensis**—Very dark bronze to yellow. 1 1/2" 1.50
2" 2.50
- 7-C-694—LC. Issy x S. Thompsoniae**—Dark lavender bronze. 1 1/2" 1.50
- 7-C-695—SL. Maunalani x S. Lueddemaniana**—Dark lavender bronze. 1 1/2" 1.50
- 7-C-696—S. crispa x L. Rubescens**—Pastel lavender, large heads. 3" 5.00

SOBRALIA

Very fine terrestrial orchids allied to *Cattleyas*, which the flowers resemble. Pot in 1/2 soil, 1/2 old *Osmunda*, with good drainage. Water and fertilize regularly.

- 7-C-697—Callosa (Panama)**—A lovely dwarf species; dark lavender flowers. 3 1/2" 10.00
- 7-C-698—Leucoxantha (Panama)**—Beautiful large pure white flowers. Flowers last only one day, but they flower many times a year. A superb garden plant. 8" 15.00

SELENEPEDUM

The tropical American counterpart of the Asian *Cypripedium*. Culture as for *Cypripedium*.

- 7-C-699—Grande (Caudatum x longifolium)**—Long petals that resemble Dr. Fu Manchui; golden brown. 6" 17.50
- 7-C-700—Caudatum longifolium (Panama)**—Yellow green with rose. 4" 10.00
5" 12.50
- 7-C-701—Caudatum Lindenii (Ecuador)**—The yellow green to white form, very large; rare. 4" 25.00
- 7-C-702—Schroderae (Caudatum x Sedenii)**—Long stems; lovely rose pink. 6" 17.50
- 7-C-703—Sedenii (longifolium x Schlumii)**—Very free flowering; rose pink. 5" 15.00

SPATHOGLOTTIS

Terrestrial orchids of great beauty. Wonderful for bedding or as pot plants. Large plicated leaves with heads of flowers on long stems. Addition of coral or lime to the compost is beneficial.

- 7-C-704—Moonshine**—Perfect shape, large size, salmon yellow. 4" 12.50
- 7-C-705—Primrose**—Deep magenta purple with cream white tips to the petals. 4" 7.50
- 7-C-706—Primson**—Golden yellow with red bronze flush. 4" 7.50
- 7-C-707—Pacifica**—Particularly robust grower, large heads; pale pastel lavender. 6" 7.50
- 7-C-708—Pacifica x Elmerii**—A new hybrid yellow to bronze, very vigorous. 3" 3.50
- 7-C-709—Plicata alba**—Pure white. 4" 5.00
- 7-C-710—Penang White**—A superior white form. 4" 20.00
- 7-C-711—The Gold**—Very rich yellow with red bronze flush. 4" 15.00
per 6 10.00 per 12 20.00
- 7-C-712—Purple Prince**—Royal purple. 4" 7.50
- 7-C-713—Queen of Queens**—Dark purple, gold tips. 4" 7.50
- 7-C-714—Red River**—Dark red purple. 4" 7.50
- 7-C-715—Assorted hybrids for landscaping.** Our selection ideal for gardens. 4" 2.50
per 6 10.00 per 12 20.00

STANHOPEA

The flowers of this remarkable genus are large and very showy, of wax-like substance. They are often very fragrant. The plants grow best on logs as the flower spikes grow out from the bottom of the bulbs. Never plant them in a pot.

- 7-C-716—Bucephalis (Central America)**—Tawny yellow to orange, with crimson purple spots. on logs 5.00
- 7-C-717—Wardii (Guatemala)**—Golden yellow, spotted red purple; very fragrant. on logs 7.50
- 7-C-718—Tigrina x Devoniensis**—A new hybrid between two of the best species. Very large flower, dark orange to mahogany red. 2" 3.00
3" 6.50

TRICHOCENTRUM

A lovely dwarf epiphyte. Culture as for *Oncidium*. We grow the one species offered on logs.

- 7-C-719—Albo-purpureum (Brazil)**—Flowers large, 2-3" across. Tawny brown, green with large white lip marked purple. A lovely thing. on logs 10.00





7-C-723—Trichovanda Ulaula

TRICHOGLOTTIS

A very striking genus from the Philippines, allied to Vanda. Culture the same.

- 7-C-720—*Philippinense*—Tan yellow, white lip. on logs 7.50
 7-C-721—*Philippinense* var. *Braciata*—Black purple; very fine. Flowering size cuttings 12.50
 7-C-722—*fasciata* — Heavy textured flowers on short spikes; deep tan with light bars, bearing a cross shaped lip. 6" 10.00

TRICHOVANDA

Hybrids between Vanda and Trichoglottis. They are quite rare and make lovely exhibition plants of rich color.

- 7-C-723—*Ulaula* (T. *Braciata* x V. *Sanderiana*)—Beautiful brick red flowers. 1 1/2" 3.00
 2" 5.00 3" 8.50 4" 15.00
 7-C-724—V. *Rothschildiana* x T. *Braciata*—A new hybrid that should produce almost black purple flowers of good size. 1 1/2" 3.00
 2" 5.00

- 7-C-725—V. *Dearei* x S. *fasciata*—Cream yellow with dark brown spotting. 8" 17.50

VANDA SPECIES

A truly handsome genus distributed throughout the Pacific and Asia. In habit they resemble *Aerides*. Culture as described under Vanda Hybrids.

- 7-C-726—*Merrillii* (Philippines)—Deep Chinese lacquer red flowers; very fragrant. 6" 15.00
 7-C-727—*Roeblingiana* (Philippines)—Red brown, striped yellow, curious three-lobed fimbriated lip. 6" 12.50
 7-C-728—*Lamellata* (Philippines) — Yellow marked red brown; dwarf plant. 5" 8.50
 7-C-729—*spatheolata* (Ceylon)—Deep butter yellow. top cuttings 10.00
 7-C-730—*Tessellata* (Ceylon) — Dwarf plants; fine heavy textured flowers of pink, grey, green or tan. 7" 15.00
 7-C-731—*Sanderiana* (Philippines)—The King of the genus and one of the finest orchids in existence. Lavender, green brown on lower sepals, large flat flowers. 7" 25.00
 7-C-732—*teres* (India)—Terete growth. Spring flowering, grow inside in pots during winter. After danger of frost is over grow out of doors in full morning sun. Water everyday and fertilize heavily. They will not flower if you keep them under glass all year. 12-18" stems 2.00
 per dozen 15.00
 7-C-733—*teres* var. *Andersonii* — Brilliant color; grandparent of the famous Nellie Morley. 12-18" stems 4.50
 7-C-734—*teres* var. *gigantea*—Very large size. 12-18" stems 3.50
 7-C-735—*teres* var. *Candida*—Pure white. 12-18" stems 12.50

7-C-732—Vanda Teres



7-C-738—Vandopsis Gigantea

VANDOPSIS

Closely allied to Vanda. Culture the same. A very fine genus, but needs room to grow. Spectacular when in flower.

- 7-C-736—*Lissichiloides* (Philippines)—Very large growing plant, huge spikes of flowers; petals yellow, densely spotted red purple, purple on reverse side. 10" 25.00
 7-C-737—*Lowii* (Indonesia)—One of the rarest species in cultivation. Long chain like spikes of rich red and brown flowers. The first two flowers on a spike are brilliant yellow. 10" 125.00
 7-C-738—*gigantea* (Burma)—A wonderful species that has the heaviest textured flowers ever seen by us in an orchid. Cream yellow with purple spots, 3-4" across, many flowers on pendulous spikes. We have only one plant and offer selfed seedlings from it. 1 1/2" 1.75

OPSISANDA

Hybrids between Vandopsis and Vanda. These are excellent plants and have reduced plant size so that they can be grown in the average greenhouse. Flowers equally good with a greatly increased color range. Culture as for Vanda Hybrids.

- 7-C-739—V. *Sanderiana* x Van. *gigantea* — Yellow, rose flush, large size. 2" 3.00
 3" 6.00 4" 10.00
 7-C-740—V. *Rothschildiana* x Van. *gigantea*—Rich purple to blue and pink. 1 1/2" 1.50
 2" 3.00
 7-C-741—V. *Henrietta* Ho x Van. *Lissichiloides*—Brown to red tan. 1 1/2" 1.50
 2" 3.00
 7-C-742—*Opsis*. Colombo x V. *Sanderiana*—A second generation cross back to Vanda. Has a fine potential. Yellow to tan. 1 1/2" 2.00
 2" 3.50 3" 6.00
 7-C-743—V. *Ellen* Noa x Van. *gigantea*—Rich yellow with purple spots. 2" 3.00
 3" 6.00 4" 10.00
 7-C-744—Van. *Lissichiloides* x V. *Trisher* — Dark red to brown. 1 1/2" 1.50
 2" 3.00
 7-C-745—V. *Trisher* x Van. *gigantea*—Red to brown and tan. 1 1/2" 1.50
 7-C-746—V. *Manila* x Van. *gigantea*—Dark red pink. 2" 3.00
 1 1/2" 1.50
 7-C-747—V. *Frankensteiniana* x Van. *Guibertii* — Large branched spikes of dark blue flowers. 1 1/2" 1.75
 2" 3.50



7-C-753—Vanda Bill Sutton

VANDA HYBRIDS

These are the plants Hawaii is famous for. Hundreds of thousands of seedlings have been produced in Hawaii over the past years. Like any other genera, quality varies tremendously with the parentage used in a cross. No one has raised only good things—all of us have had our share of disappointments. We at Wm. Kirch-Orchids Ltd., have had enough breeding experience now to be able to select out good parents and concentrate only on those crosses that have a better than average chance of giving you, our customers, the quality you want. Naturally such stock is premium or blue ribbon stock. There is an old saying "You pay for what you get, but you don't always

get what you pay for." We have selected the offerings listed here with a view to the first part of that saying! There are lots of *V. Rothschildiana* for instance. Their quality is relative to the parentage used. We offer in this catalog only the best. We publish as well a complete list of all the Vanda crosses we have in production. Many of these are priced much lower than the stock in this catalog and are excellent buys. They have their purpose and we will forward this list to you on request. They are however not the premium quality listed here.

CULTURE: Fir Bark has been a great boom to Vanda Culture. Pot in Fir Bark using the addition of a little sand and horn and hoof meal. Don't pot too hard. Keep on the moist side. Vandas will also grow well in charcoal, Osmunda, or tree fern. We believe however that Fir Bark is the easiest culture for the amateur.

TEMPERATURE: Vandas do not need as much heat as many of us previously thought. A night temperature of 50 degrees does not seem to harm them in anyway. As such these lower temperatures open up the culture to many. Actually Vandas are proving to be very free flowering in the Northern latitudes.

LIGHT: This is important and many growers are finding it a good practice to move plants outside during all periods of good weather. Morning sun, or 50% shade during intense light seems best. If maintained under glass give as bright a light as possible without burning.

WATER AND HUMIDITY: These two factors are most important. Vandas like water and humidity. If potted right there is no law that says you can't water them daily. If you do, plus some overhead spraying you will be happier with the results than if you grow them dry. We have devoted all the foregoing space because we have two points to make: 1. Vandas are easy to grow, flower freely, and are wonderful plants for the amateur, 2. The list offered here is the best money can buy. It is not a bargain basement selection, but the best. We publish a separate list that contains all the bargain basement stock. If you have limited space stay with the crosses listed here. You won't be disappointed!

PROVEN HYBRIDS

These are crosses of known quality. Many are remakes using the finest parentage possible.

7-C-748—V. Rothschildiana (coerulea x Sanderiana)—Still the top blue. Large full flowers, with very large heads. Most free flowering. 1 1/2" 1.50
2" 3.00 3" 5.00 4" 8.50
5" 10.00 6" 15.00 7-8" 20.00

The following two seedling strains have been produced to increase the quality of this fine hybrid.

7-C-749—V. Rothschildiana (coerulea x Sanderiana var. Terry A.M.H.O.S.)—Using the famous Sanderiana Terry which gives intense color to the offspring. A very dark form. 1 1/2" 1.75
2" 3.00 3" 6.00

7-C-750—V. Rothschildiana (V. coerulea var. Balmoral x Sanderiana fine) — The Coerulea parent is exceptional. Fine large tessellated type. We expect very fine results from this cross. 2" 3.00
3" 6.00 4" 10.00

7-C-751—Jane Shimamoto (Mary Foster x Sanderiana)—A rich brown to red brown. 2" 2.50
3" 5.00 4" 8.50 5" 10.00 6" 15.00

7-C-752—Mabelmae Kamahale (Ohuohu x Sanderiana)—Very much like Sanderiana. Large flowers, Sanderiana coloring; very free flowering. 3" 5.00
4" 8.50 5" 10.00 6" 12.50 7" 15.00

7-C-753—Bill Sutton (Manila x Sanderiana)—A superior pink; much improvement over V. Manila. 3" 5.00
4" 8.50 5" 10.00 6" 12.50 7" 15.00

7-C-754—Afterglow (Insignis x Sanderiana)—Red brown, heavy texture. 2" 2.50
3" 5.00 4" 8.50 5" 10.00 6" 12.50

7-C-755—Onomea (Rothschildiana x Sanderiana)—One of the best. Mauve to blue and pink, excellent shape. 3" 5.00 4" 8.50 5" 10.00

7-C-756—Eisenhower (Ellen Noa x Sanderiana) — Rich yellow to dark tan, excellent shape. 2" 2.50
3" 5.00 4" 8.50 5" 10.00 6" 12.50 7" 15.00

7-C-757—Jennie Hashimoto (Onomea x Sanderiana) — Wonderful shape, Sanderiana type coloration. One of the best. 4" 10.00
5" 12.50 6" 15.00

7-C-758—Frank Crook (Sanderiana x Honolulu) — Fine shape, pink to mauve and blue. 1 1/2" 1.50
2" 2.50 3" 5.00

7-C-759—Kilohana (Manila x Rothschildiana) — Blue to deep pink, very fine. 1 1/2" 1.50
2" 2.50 3" 5.00 4" 8.50

7-C-760—V. Waipuna (Ellen Noa x Rothschildiana) — Round shape, cream with pink to blue spotting. 6" 1.50
7" 17.50

7-C-761—Honolulu (Frank Scudder x Sanderiana)—Blue to pink, very free flowering. 4" 7.50
5" 9.50 6" 12.50 7" 15.00

NEW SANDERIANA TYPE CROSSES

These will be large flowered and are being produced to enlarge the color range and improve stock. All of these are our own productions and offered only by ourselves.

7-C-762—V. Betsy Sumner A.M.H.O.S. x Sanderiana—A new pink of perfect shape. 1 1/2" 1.75
2" 3.00 3" 6.00 4" 10.00

7-C-763—Sanderiana x Wettsteinii var. Riatae—A superior type of Onomea or Rothschildiana; rich blue to pink. 1 1/2" 1.75



7-C-761—Vanda Honolulu



7-C-757—
Vanda Jennie
Hashimoto

7-C-764—Sanderiana x Admiral Radford—Rich red brown, excellent shape. 3" 6.00

7-C-765—Iolani x Sanderiana—Similar to the above, larger flower. 1 1/2" 1.50
2" 2.50

7-C-766—Harvest Time x Eisenhower—Rich yellow brown of excellent shape. 1 1/2" 1.75

7-C-767—Trisher x Sanderiana — Very dark red brown, heavy texture. 1 1/2" 1.50
3" 5.00 4" 8.50 5" 10.00 6" 12.50

7-C-768—Haleakala x Sanderiana—Pink to mauve, large size. 1 1/2" 1.50
2" 2.50

7-C-769—Bill Sutton x Sanderiana—Perfection of shape, shades of pink. 1 1/2" 1.75

7-C-770—Alice Fukunaga x Sanderiana—A fine yellow, ex-shades of pink. 1 1/2" 1.75

7-C-771—Faye x Sanderiana alba—White with green flush. 1 1/2" 1.75

7-C-772—Ernest Fujinaga x Waipuna A.M.H.O.S.—Green to yellow with rose flush. 1 1/2" 1.75

7-C-773—Rose Davis x Sanderiana—Pink to blue, excellent shape. 1 1/2" 1.50

7-C-774—Lynn Sugihara x Sanderiana—Rose to pink and blue. 1 1/2" 1.50

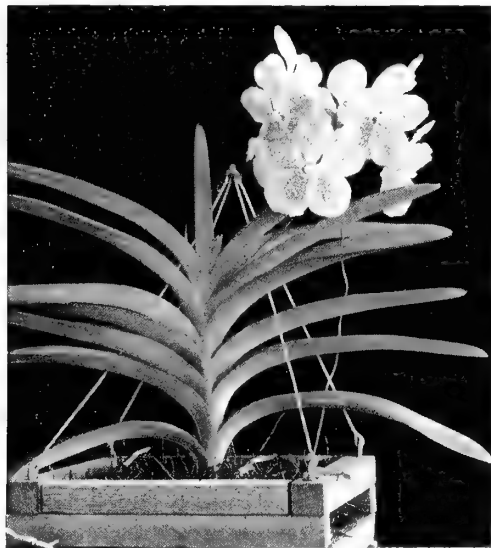
- 7-C-775—Sanderiana alba x Gertrude Miyamoto—Cream to pure yellow and white. 1½" 1.75
 7-C-776—Faye x Waipuna A.M.H.O.S. — Cream to white with rose flush. 1½" 1.50
 7-C-777—Mem. G. Tanaka x Sanderiana alba—Pure yellow to cream. 1½" 1.50
 2" 3.00
 7-C-778—Manila x Ellen Noa A.M.H.O.S.—Peach to buff and pink. 1½" 1.50
 7-C-779—Sandcon x Sanderiana—Very heavy texture, dark brown. 1½" 1.50
 2" 2.50
 7-C-780—Julia Sideris x Sanderiana—Very large, purple, blue to pink. 1½" 1.50
 2" 2.50
 7-C-781—Frankensteiniana x Sanderiana—Very dark blue, large size. 1½" 1.50
 2" 2.50
 7-C-782—Helen Paoa x Ellen Noa A.M.H.O.S.—Rich yellow to brown. 1½" 1.50
 2" 2.50

SMALL FLOWERED VANDAS

Many people still like the small flowers. The old hybrids were large plants with few flowers. In these new crosses we have tried to maintain the charm and beauty of the small flowers and still keep the plants in size suitable for glass culture. If you are a Vanda devotee you will want to try some of these.

- 7-C-783—Evanita Midkiff x Bicolor—Pink to grey blue, very heavy texture. 1½" 1.25
 2" 2.50

7-C-760—Vanda Waipuna



Vanda Sanderiana

- 7-C-784—Blue Heaven x Menehune—Blue to purple brown. 1½" 1.25
 2" 2.50
 7-C-785—Sanderiana x Denisoniana—Cream to yellow. 1½" 1.25
 2" 2.50
 7-C-786—Peggy Cornetti x Bicolor — Dark slate grey to blue. 1½" 1.25
 2" 2.50
 7-C-787—Menehune x Denisoniana — Yellow to brown, heavy texture. 1½" 1.25
 2" 2.50
 7-C-788—Sanderiana x pumila—Yellow with a red lip. 1½" 1.25
 2" 2.50
 7-C-789—Sanderiana alba x Hindsii—Clear yellow brown, very heavy texture. 1½" 1.25
 2" 2.50
 7-C-790—Amoena x Frankensteiniana—Intense blue; long spikes, very free flowering. 1½" 1.25
 2" 2.50
 7-C-791—Gilbert Triboulet x Frankensteiniana—Similar to above; lighter blue. 1½" 1.25
 2" 2.50
 7-C-792—pumila x Ellen Noa A.M.H.O.S.—Clear yellow, red lip. 1½" 1.25

V. SANDERIANA

Our strains of this world famous species are unbeatable. We are proud of them and offer them to you with complete confidence.

1½"	1.50	3"	5.00
2"	2.50	4"	8.50
5"	10.00	6"	12.50

Selected 20.00 – 50.00

SEMI-TERETE HYBRIDS WITH MORE THAN ONE GENERATION OF STRAP LEAF

This group includes the famous V. Nellie Morley. As you know these plants are the talk of the orchid world. We have one of the largest stud collections in the world of this class of stock. Regardless of statements made concerning the original strain of V. Nellie Morley, we predict with full confidence the stock we offer will equal or surpass it. These plants are well worth cultivation under glass.



- 7-C-793—V. Nellie Morley (Emma Van Deventer tetraploid x Sanderiana)—The famous strawberry pink Vanda.
 1½" 1.50 2" 2.50 3" 5.00
- 7-C-794—V. Merv. L. Velthius tetraploid x Sanderiana—A fine new combination of great promise.
 3" 6.00 4" 10.00
- 7-C-795—V. Merv. L. Velthius tetraploid x Tatzert—Similar to above but more color.
 1½" 1.50 2" 3.00
- 7-C-796—V. Merv. L. Velthius tetraploid x Ohuohu—Fine size and shape, Sanderiana coloring.
 1½" 2.00
- 7-C-797—Colorsan x Sanderiana—A new cross of tremendous promise. Colorsan is Colorful Perfection x Sanderiana. One more generation of Sanderiana should really make it.
 1½" 3.00
- 7-C-798—Leilani (Sanderiana x Nora Potter)—Originally introduced by us, this is a remake; variable as to color but some fine things.
 1½" 1.50 2" 2.50 3" 5.00
- 7-C-799—Kona (Princess Beatrix x Sanderiana) — Very large size, pink to blue.
 6" 20.00
- 7-C-800—V. Emma Van Deventer x Bill Sutton—Richer color than Nellie Morley; dark pink.
 1½" 2.00 2" 3.50

SEMI-TERETE HYBRIDS

These are excellent where you can grow them outside part or all of the year. They need lots of light and ventilation to flower freely.

- 7-C-801—V. Honolulu x teres alba—Lovely soft pink.
 1½" 1.50 2" 2.50
- 7-C-802—V. Nora Potter x teres—Exceptional size, mauve to dark pink.
 2" 3.00 1½" 1.50 3" 6.00
- 7-C-803—Maurice Restrepo (Sanderiana x teres alba)—Pale pastel pink, beautiful shape.
 2" 2.50 3" 5.00
- 7-C-804—Honolulu x teres Andersonii — Very dark pink with orange lip.
 3" 5.00 4" 8.50

TERETE HYBRIDS

For the first time ever offered anywhere we are pleased to introduce these new polyploid types of V. Agnes Joaquim. Flowers are twice the size of a normal type, very heavy texture, and rich colors. They represent twenty-five years of breeding work done by Mr. Robt. Warne. We bought the entire collection before

he retired and this is the first time these wonderful hybrids have ever been offered for sale. All parents are variety forms of V. Agnes Joaquim.

- 7-C-805—Cinderella x Douglas tetraploid—Available in 4" pots @ \$10.00 each, you can't afford not to get some of these if you grow terete Vandas.
- 7-C-806—Douglas tetraploid x Self—Available in 4" pots @ \$10.00 each, you can't afford not to get some of these if you grow terete Vandas.
- 7-C-807—Juliet tetraploid x Douglas tetraploid—Available in 4" pots @ \$10.00 each, you can't afford not to get some of these if you grow terete Vandas.
- 7-C-808—Douglas tetraploid x Douglas—Available in 4" pots @ \$10.00 each, you can't afford not to get some of these if you grow terete Vandas.
- 7-C-809—Mike x Douglas tetraploid—Available in 4" pots @ \$10.00 each, you can't afford not to get some of these if you grow terete Vandas.

TERETE VANDAS

These are strictly tropical plants. They must have full sunlight and outside conditions to flower well. They are not suitable to culture under glass.

- 7-C-810—Miss Joaquim (teres x Hookeriana)—The most free flowering of all. Lovely lavender pink flowers; excellent for cut flowers.
 18" top cuttings 1.00
 12 for 8.00
- 7-C-811—Miss Joaquim Atherton var.—Much larger and darker in color.
 18" top cuttings 4.00
- 7-C-812—Miss Joaquim var. Woodlawn — The largest of them all; rich color.
 18" top cuttings 5.00
- 7-C-813—Amy (Tricuspidata x Hooderiana) — Lavender pink, curious trilobed lip.
 18" top cuttings 3.00
- 7-C-814—La Paloma alba (Rose Marie x teres alba)—Very fine pure white.
 18" top cuttings 5.00
- 7-C-815—Hommage A. Segovia (Miss Joaquim x Tricuspidata)—Lavender rose, trilobed lip.
 18" top cuttings 3.00
- 7-C-816—Cooperii (Miss Joaquim x Hookeriana)—Lavender with a beautiful spotted lip.
 18" top cuttings 1.75
- 7-C-817—Kobber Kane (Miss Joaquim x spatulata) — Cream yellow to apricot.
 18" top cuttings 5.50
- 7-C-818—Poepoe (Cooperii x teres gigantea)—Very large, perfect shape, pastel lavender.
 18" top cuttings 3.00

Polyploid Terete Vanda on right





7-C-822—Anthurium Scandens (complete plant)

7-C-822—Anthurium Scandens (detail photo)

7-C-819 and 7-C-820—Anthurium Andreanum



HAWAIIAN ANTHURIUM HYBRIDS

Excellent subject to grow along with orchid. In tropical regions they make wonderful gardens plants. Flowers last an exceptionally long time as cut flowers.

CULTURE: They require 50% shade—foliage and flowers burn in strong light. Keep moist at all times and water heavily. Humidity should never be below 70%. Temperature not less than 60 degrees at night. Pot in any good organic compost about as you would a soil plant. Fertilize frequently. They are heavy feeders. Spray regularly with DDT to control thrips which cause white streaks in the flowers.

7-C-819—Andreanum Hybrids—These are the large flowers you see in the florist's window. They make wonderful cut flowers. All sizes offered are flowering size. Colors: blood red, pink, orange and red.

flowering size 2.50
large size 8.00

7-C-820—Andreanum, pure white—Quite rare and much desired.

flowering size 3.00
large size 8.50

7-C-821—Anthurium Crassinervium — A lovely foliage variety, like the self heading Philodendrons. Large bright green leaves.

7" 4.50

7-C-822—Anthurium Scandens (Trailing Anthurium) — A beautiful pot plant with pearly white seed pods of great charm. Will trail up a totem pole or make beautiful hanging baskets.

5" 4.00

7-C-823—Anthurium Scherzerianum — Dwarf plants with brilliant flowers. Flowers curiously twisted. Hence the name "Pig Tail Anthurium." Wonderful pot plants as they do not take up much room.

4-5" 4.00

7-C-824—Hoffmanii (Panama)—A new species with rich copper green foliage that has a velvet sheen to it. Very lovely.

5" 10.00

7-C-825—Asparagus Myriocladus—A wonderful new and very rare evergreen pot plant. Makes a wonderful green to use in the display of your plants. Cut sprays last for days out of water in a state of perfection. We have seldom seen a plant that has created such a stir among visitors who see it for the first time. Our stock is very limited and we cannot offer quantity discounts on this item. All prices quoted are net. Plants shipped bare root.

5" 10.00
small plants 7" pots 15.00
large plants 10" pots 25.00



OUR



NURSERIES

For you who have been unable to visit any of the extensive nurseries of the seven orchid growers who own and operate Wm. Kirch-Orchids, Ltd., our growing methods are illustrated on these pages. A combination of glass-house culture, open slat-house culture, and full open-sun culture gives you the hardy plants for which we are noted. It is our experience that this culture also results in early maturity and in early flowering of the plants. Each plant is carefully nurtured from seed to ma-

turity. In the first stages of growth, seedlings up to 1½ inch are kept in glass houses. As soon as possible, Cattleya, Dendrobium, and Vanda seedlings are transferred to open sun. Under certain conditions, other plants are cultured in open slat houses for maximum hardiness. Sturdy seedlings are also ensured by the exchange of breeding and growing data, and the interloan of superb stud plants among our seven nurseries.

Hawaii, Nature's Greenhouse, with its sun and

often brisk tradewinds is well suited to producing good orchid plants. Both professional and amateur growers will see for themselves the wonderful new hybrids and vivid standard strains when they attend the Second World Orchid Conference in Hawaii this coming September. Start planning now to come to Honolulu for this outstanding orchid-world event. You'll see crosses and stock which cannot be duplicated anywhere. During your stay, be sure to shop at Wm. Kirch-Orchids, Ltd.

ORCHIDS—*direct from Hawaii—nature's greenhouse*

In this, our fifth illustrated catalog, we have tried to list orchids in a clear and culturally valuable manner.

Except where otherwise specified, figures preceding price quotations are pot sizes. The term "log" means a plant growing on a Hawaiian tree fern section.

Plants are quoted air parcel post prepaid or air freight prepaid anywhere in the United States. All foreign orders have the calculated cost of shipment to any point in the United States prepaid on the air freight charges. The difference will be collected on arrival by the carrier.

We try to ship within three days after receipt of any order. Many customers are amazed that an order placed with us is often serviced faster than one placed with a nurseryman nearby. We deliver plants safely to any part of the world with guaranteed satisfaction on a money back policy.

WM. KIRCH - ORCHIDS, LTD. • 732 KAPAHULU AVE. • HONOLULU 16, HAWAII

INSTRUCTIONS FOR ORDERING

TERMS—cash with order, no C.O.D.

DISCOUNTS—We offer quantity discounts. Orders totaling \$99.00 or less are sold at retail list as quoted. Larger orders discounted as follows: \$100.00 to \$249.00—10%; \$250.00 to \$499.00—15%; \$500.00 to \$749.00—20%; \$750.00 to \$999.00—25%; over \$1000.00—33⅓%. Discounts apply only to our catalogued stock, and do not apply to special quotations.

SHIPPING—Plants shipped out of pots. Advise if we may substitute size and variety when out of stock. No packing charges.

ORDERING—List the plant name or number. No import permits required for entry into the United States. Foreign countries, check your requirements.

REMEMBER—We guarantee satisfaction. All plants are offered subject to prior sale. Wm. Kirch—Orchids, Ltd. in no way guarantees crops from these plants as they go beyond our control. In the event of a claim, our liability is limited to purchase price. This list cancels all previous quotations.

* WM. KIRCH - ORCHIDS, LTD. • 732 KAPAHULU AVE • HONOLULU 16 HAWAII *